

# SECURITIES & EXCHANGE COMMISSION EDGAR FILING

## Nuo Therapeutics, Inc.

**Form: 8-K**

**Date Filed: 2018-09-21**

Corporate Issuer CIK: 1091596

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of report (Date of earliest event reported): September 17, 2018

**Nuo Therapeutics, Inc.**

(Exact name of Registrant as Specified in Charter)

**Delaware**  
(State or Other Jurisdiction  
of Incorporation)

**001-32518**  
(Commission  
File Number)

**23-3011702**  
(IRS Employer  
Identification No.)

**207A Perry Parkway, Suite 1, Gaithersburg, MD 20877**

(Address of Principal Executive Offices) (Zip Code)

**(240) 499-2680**

(Registrant's telephone number, including area code)

**N/A**

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 or Rule 12b-2 of the Securities Exchange Act of 1934.

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

---

## Item 1.01 Entry into a Material Definitive Agreement

On September 17, 2018, Nuo Therapeutics, Inc. (the "Company") entered into two separate financing transactions with two separate investors, Auctus Fund, LLC ("Auctus") and EMA Financial, LLC ("EMA" and, collectively with Auctus, the "Investors"). Pursuant to separate securities purchase agreements, the Company issued and sold to the Investors 12% convertible promissory notes, each in the principal amount of \$175,000, for an aggregate purchase price of \$315,800 (reflecting a combined \$34,200 in original issue discount and transaction fees). On September 17, 2018, the Company issued the notes to the Investors. Pursuant to the purchase agreements, the Company also issued to each Investor a warrant exercisable to purchase 233,333 shares of the Company's common stock, for an aggregate of 466,666 shares of common stock, subject to adjustment as referenced below.

The purchase agreements contain certain representations, warranties and covenants by, among and for the benefit of the respective parties. The purchase agreements also provide for customary indemnification of the Investors by the Company.

The notes mature nine months from the date of issuance (June 17, 2019) and, in addition to any original issue discount, accrue interest at a rate of 12% per year. The Company may prepay the notes, in whole or in part, for 130% of outstanding principal and interest ending on the date that is 90 days following the date of issuance, and for 145% of outstanding principal and interest at any time commencing on the date that is 91 days following the date of issuance and ending on the date that is 180 days following the date of issuance, to the extent that it is not then in default under the notes. Beginning on the date that is 181 days following the date of issuance, the Company may no longer prepay the notes. The maturity date of the note issued to EMA may be extended up to one year beyond the original maturity date at the option of EMA.

After six months from the date of issuance, the Investors may convert the notes, at any time, in whole or in part, into shares of the Company's common stock, at a conversion price corresponding to a 40% discount to the average of the two lowest trading prices of the common stock during the 25 trading days prior to the conversion, subject to certain adjustments and price-protection provisions contained in the notes, including full-ratchet anti-dilution protection in the case of dilutive issuances of securities that do not meet the requirements of "exempt issuances" as defined in the notes. The Company is required to maintain authorized and unissued shares of its common stock equal to seven times the number issuable upon conversion of the notes. Each note contains potential additional discounts to the conversion price upon the occurrence of an event of default or specified other events related to the trading status of the Company's common stock (which would result in a higher number of shares being issued if converted).

The notes include certain event of default provisions, a default interest rate of 24% per year and certain penalties for specified breaches that would be added to the principal amount of such note. Upon the occurrence of an event of default, the Investors may require the Company to redeem the note (or convert it into shares of common stock) at 150% of the outstanding principal balance plus accrued and unpaid interest. The notes also restrict the Company's ability to make distributions to its shareholders, repurchase its shares, borrow funds, or sell its assets (with limited exceptions).

The warrants are exercisable at any time, at an exercise price per share equal to \$0.15, subject to certain adjustments and price protection provisions (including full ratchet anti-dilution protection) contained in the warrants. The warrants have five-year terms.

The transaction documents also include most favored nations provisions and limitations on the Company's ability to offer additional securities (unless the use of proceeds is to repay the notes).

---

The issuance of the notes and the warrants was exempt from the registration requirements of the Securities Act, pursuant to the exemption for transactions by an issuer not involving any public offering under Section 4(a)(2) of the Securities Act of 1933, as amended (the "Securities Act"). In making this determination, the Company relied on the representations of each of the Investors in the relevant purchase agreement that it is an "accredited investor" and had access to information about its investment and about the Company. Should the note and/or warrant be converted or exercised into shares of common stock, the issuance of such shares of common stock is expected to be exempt from the registration requirements of the Securities Act pursuant to Section 4(a)(2) and/or the exemption for exchange transactions under Section 3(a)(9) of the Securities Act.

The above descriptions of the purchase agreements, the notes and the warrants do not purport to be complete and are qualified in their entirety by the full text of each, attached as Exhibits 10.1, 10.2, 4.1, 4.2, and 4.3, respectively, and incorporated herein by reference.

**Item 2.03 Creation of a Direct Financial Obligation or an Obligation under an Off-Balance Sheet Arrangement of a Registrant**

As described in Item 1.01 above, the Company issued to each of the Investors a 12% convertible promissory note in the principal amount of \$175,000.

The terms of the notes disclosed in Item 1.01 are incorporated herein by reference.

**Item 3.02 Unregistered Sales of Equity Securities**

As described in Item 1.01 above, the Company issued to each of the Investors a 12% convertible promissory note in the principal amount of \$175,000 and a warrant exercisable to purchase 233,333 shares of the Company's common stock.

The terms of the notes and warrants and their issuance disclosed in Item 1.01 are incorporated herein by reference.

**Item 9.01. Financial Statements and Exhibits**

(d) Exhibits

Exhibit No. Exhibit Description

4.1	<a href="#">12% Convertible Promissory Note issued to Auctus Fund, LLC</a>
4.2	<a href="#">12% Convertible Promissory Note issued to EMA Financial, LLC</a>
4.3	<a href="#">Form of Warrant</a>
10.1	<a href="#">Securities Purchase Agreement between Nuo Therapeutics, Inc. and Auctus Fund, LLC</a>
10.2	<a href="#">Securities Purchase Agreement between Nuo Therapeutics, Inc. and EMA Financial, LLC</a>

---

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**Nuo Therapeutics, Inc.**

By: /s/ David E. Jordan  
David E. Jordan  
Chief Executive Officer and  
Chief Financial Officer

Date: September 21, 2018

NEITHER THE ISSUANCE AND SALE OF THE SECURITIES REPRESENTED BY THIS CERTIFICATE NOR THE SECURITIES INTO WHICH THESE SECURITIES ARE CONVERTIBLE HAVE BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED (I) IN THE ABSENCE OF (A) AN EFFECTIVE REGISTRATION STATEMENT FOR THE SECURITIES UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR (B) AN OPINION OF COUNSEL (WHICH COUNSEL SHALL BE SELECTED BY THE HOLDER), IN A GENERALLY ACCEPTABLE FORM, THAT REGISTRATION IS NOT REQUIRED UNDER SAID ACT OR (II) UNLESS SOLD PURSUANT TO RULE 144 OR RULE 144A UNDER SAID ACT. NOTWITHSTANDING THE FOREGOING, THE SECURITIES MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT WITH A REGISTERED BROKER DEALER OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES WITH A FINANCIAL INSTITUTION THAT IS AN "ACCREDITED INVESTOR" AS DEFINED IN RULE 501(a) UNDER THE SECURITIES ACT.

Principal Amount: US\$175,000.00  
Purchase Price: US\$175,000.00

Issue Date: September 17, 2018

#### CONVERTIBLE PROMISSORY NOTE

FOR VALUE RECEIVED, **NUO THERAPEUTICS, INC.**, a Delaware corporation (hereinafter called the "Borrower") (Trading Symbol: AURX), hereby promises to pay to the order of **AUCTUS FUND, LLC**, a Delaware limited liability company, or registered assigns (the "Holder") the sum of US\$175,000.00 together with any interest as set forth herein, on June 17, 2019 (the "Maturity Date"), and to pay interest on the unpaid principal balance hereof at the rate of twelve percent (12%) (the "Interest Rate") per annum from the date hereof (the "Issue Date") until the same becomes due and payable, whether at maturity or upon acceleration or by prepayment or otherwise. This Note may not be prepaid in whole or in part except as otherwise explicitly set forth herein. Any amount of principal or interest on this Note which is not paid when due shall bear interest at the rate of the lesser of (i) twenty-four percent (24%) per annum and (ii) the maximum amount permitted under law from the due date thereof until the same is paid (the "Default Interest"). Interest shall commence accruing on the date that the Note is fully funded and shall be computed on the basis of a 360-day year and the actual number of days elapsed. All payments due hereunder (to the extent not converted into common stock, \$0.0001 par value per share (the "Common Stock") in accordance with the terms hereof) shall be made in lawful money of the United States of America. All payments shall be made at such address as the Holder shall hereafter give to the Borrower by written notice made in accordance with the provisions of this Note. Whenever any amount expressed to be due by the terms of this Note is due on any day which is not a business day, the same shall instead be due on the next succeeding day which is a business day and, in the case of any interest payment date which is not the date on which this Note is paid in full, the extension of the due date thereof shall not be taken into account for purposes of determining the amount of interest due on such date. As used in this Note, the term "business day" shall mean any day other than a Saturday, Sunday or a day on which commercial banks in the city of New York, New York are authorized or required by law or executive order to remain closed. Each capitalized term used herein, and not otherwise defined, shall have the meaning ascribed thereto in that certain Securities Purchase Agreement dated the date hereof, pursuant to which this Note was originally issued (the "Purchase Agreement").

---

This Note is free from all taxes, liens, claims and encumbrances with respect to the issue thereof and shall not be subject to preemptive rights or other similar rights of shareholders of the Borrower and will not impose personal liability upon the holder thereof.

The following terms shall apply to this Note:

#### ARTICLE I. CONVERSION RIGHTS

1.1 Conversion Right. The Holder shall have the right from time to time, and at any time following the 180<sup>th</sup> day after the Issue Date, and ending on the later of (i) the Maturity Date and (ii) the date of payment of the Default Amount (as defined in Article III) pursuant to Section 1.6(a) or Article III, each in respect of the remaining outstanding principal amount of this Note to convert all or any part of the outstanding and unpaid principal amount of this Note into fully paid and non-assessable shares of Common Stock, as such Common Stock exists on the Issue Date, or any shares of capital stock or other securities of the Borrower into which such Common Stock shall hereafter be changed or reclassified at the Conversion Price (as defined below) determined as provided herein (a "Conversion"); provided, however, that in no event shall the Holder be entitled to convert any portion of this Note in excess of that portion of this Note upon conversion of which the sum of (1) the number of shares of Common Stock beneficially owned by the Holder and its affiliates (other than shares of Common Stock which may be deemed beneficially owned through the ownership of the unconverted portion of the Notes or the unexercised or unconverted portion of any other security of the Borrower subject to a limitation on conversion or exercise analogous to the limitations contained herein) and (2) the number of shares of Common Stock issuable upon the conversion of the portion of this Note with respect to which the determination of this proviso is being made, would result in beneficial ownership by the Holder and its affiliates of more than 4.99% of the outstanding shares of Common Stock. For purposes of the proviso to the immediately preceding sentence, beneficial ownership shall be determined in accordance with Section 13(d) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and Regulations 13D-G thereunder, except as otherwise provided in clause (1) of such proviso. To the extent that the limitation contained in this Section 1.1 applies, the determination of whether this Note is convertible (in relation to other securities owned by the Holder together with any Affiliates) and of which principal amount of this Note is convertible shall be in the sole discretion of the Holder, and the submission of a Notice of Conversion shall be deemed to be the Holder's determination of whether this Note may be converted (in relation to other securities owned by the Holder together with any Affiliates) and which principal amount of this Note is convertible, in each case subject to the Beneficial Ownership Limitation. To ensure compliance with this restriction, the Holder will be deemed to represent to the Company each time it delivers a Notice of Conversion that such Notice of Conversion has not violated the restrictions set forth in this paragraph and the Company shall have no obligation to verify or confirm the accuracy of such determination. The number of shares of Common Stock to be issued upon each conversion of this Note shall be determined by dividing the Conversion Amount (as defined below) by the applicable Conversion Price then in effect on the date specified in the notice of conversion, in the form attached hereto as Exhibit A (the "Notice of Conversion"), delivered to the Borrower by the Holder in accordance with Section 1.4 below; provided that the Notice of Conversion is submitted by facsimile or e-mail (or by other means resulting in, or reasonably expected to result in, notice) to the Borrower before 5:00 p.m., New York, New York time on such conversion date (the "Conversion Date"). The term "Conversion Amount" means, with respect to any conversion of this Note, the sum of (1) the principal amount of this Note to be converted in such conversion plus (2) at the Holder's option, accrued and unpaid interest, if any, on such principal amount at the interest rates provided in this Note to the Conversion Date, provided however, that the Borrower shall have the right to pay any or all interest in cash plus (3) at the Holder's option, Default Interest, if any, on the amounts referred to in the immediately preceding clauses (1) and/or (2) plus (4) at the Holder's option, any amounts owed to the Holder pursuant to Sections 1.3 and 1.4(g) hereof.

## 1.2 Conversion Price.

Calculation of Conversion Price. Subject to the adjustments described herein, the conversion price (the "Conversion Price") shall equal the Variable Conversion Price (as defined herein) (subject to equitable adjustments for stock splits, stock dividends or rights offerings by the Borrower relating to the Borrower's securities or the securities of any subsidiary of the Borrower, combinations, recapitalization, reclassifications, extraordinary distributions and similar events). The "Variable Conversion Price" shall mean 60% multiplied by the Market Price (as defined herein) (representing a discount rate of 40%). "Market Price" means the average of the two (2) lowest Trading Prices (as defined below) for the Common Stock during the twenty-five (25) Trading Day period ending on the latest complete Trading Day prior to the Conversion Date. "Trading Price" and "Trading Prices" means, for any security as of any date, the lesser of: (i) the lowest trade price on the applicable trading market, OTCQB, or OTC Pink as reported by a reliable reporting service ("Reporting Service") designated by the Holder or, if the OTCQB is not the principal trading market for such security, the trading price of such security on the principal securities exchange or trading market where such security is listed or traded or, if no trading price of such security is available in any of the foregoing manners, the average of the trading prices of any market makers for such security that are listed in the "pink sheets" by the National Quotation Bureau, Inc., or (ii) the closing bid price on the applicable trading market, OTCQB, or OTC Pink as reported by a Reporting Service designated by the Holder or, if the OTCQB is not the principal trading market for such security, the closing bid price of such security on the principal securities exchange or trading market where such security is listed or traded or, if no closing bid price of such security is available in any of the foregoing manners, the average of the closing bid prices of any market makers for such security that are listed in the "pink sheets" by the National Quotation Bureau, Inc. To the extent the Conversion Price of the Borrower's Common Stock closes below the par value per share, the Borrower will take all steps necessary to solicit the consent of the stockholders to reduce the par value to the lowest value possible under law. The Borrower agrees to honor all conversions submitted pending this adjustment. At any time after the Closing Date, if in the case that the Borrower's Common Stock is not deliverable by DWAC (including if the Borrower's transfer agent has a policy prohibiting or limiting delivery of shares of the Borrower's Common Stock specified in a Notice of Conversion), an additional 10% discount will apply for all future conversions under all Notes. If in the case that the Borrower's Common Stock is "chilled" for deposit into the DTC system and only eligible for clearing deposit, an additional 15% discount shall apply for all future conversions under all Notes while the "chill" is in effect. If in the case of both of the above, an additional cumulative 25% discount shall apply. Additionally, if the Borrower ceases to be a reporting company pursuant to the 1934 Act or if the Note cannot be converted into free trading shares after one hundred eighty-one (181) days from the Issue Date, an additional 15% discount will be attributed to the Conversion Price. If the Trading Price cannot be calculated for such security on such date in the manner provided above, the Trading Price shall be the fair market value as mutually determined by the Borrower and the holders of a majority in interest of the Notes being converted for which the calculation of the Trading Price is required in order to determine the Conversion Price of such Notes. "Trading Day" shall mean any day on which the Common Stock is tradable for any period on the OTCQB, OTC Pink, or on the principal securities exchange or other securities market on which the Common Stock is then being traded. The Borrower shall be responsible for the fees of its transfer agent and all DTC fees associated with any such issuance.



While this Note is outstanding, each time any 3<sup>rd</sup> party has the right to convert monies owed to that 3<sup>rd</sup> party (or receive shares pursuant to a settlement or otherwise), including but not limited to under Section 3(a)(9) and Section 3(a)(10), at a discount to market greater than the Conversion Price in effect at that time (prior to all other applicable adjustments in the Note), then the Holder, in Holder's sole discretion, may utilize such greater discount percentage (prior to all applicable adjustments in this Note) until this Note is no longer outstanding. While this Note is outstanding, each time any 3<sup>rd</sup> party has a look back period greater than the look back period in effect under the Note at that time, including but not limited to under Section 3(a)(9) and Section 3(a)(10), then the Holder, in Holder's sole discretion, may utilize such greater number of look back days until this Note is no longer outstanding. The Borrower shall give written notice to the Holder within one (1) business day of becoming aware of any event that could permit the Holder to make any adjustment described in the two immediately preceding sentences.

(a) Conversion Price During Major Announcements. Notwithstanding anything contained in Section 1.2(a) to the contrary, in the event the Borrower (i) makes a public announcement that it intends to consolidate or merge with any other corporation (other than a merger in which the Borrower is the surviving or continuing corporation and its capital stock is unchanged) or sell or transfer all or substantially all of the assets of the Borrower or (ii) any person, group or entity (including the Borrower) publicly announces a tender offer to purchase 50% or more of the Borrower's Common Stock (or any other takeover scheme) (the date of the announcement referred to in clause (i) or (ii) is hereinafter referred to as the "Announcement Date"), then the Conversion Price shall, effective upon the Announcement Date and continuing through the Adjusted Conversion Price Termination Date (as defined below), be equal to the lower of (x) the Conversion Price which would have been applicable for a Conversion occurring on the Announcement Date and (y) the Conversion Price that would otherwise be in effect. From and after the Adjusted Conversion Price Termination Date, the Conversion Price shall be determined as set forth in this Section 1.2(a). For purposes hereof, "Adjusted Conversion Price Termination Date" shall mean, with respect to any proposed transaction or tender offer (or takeover scheme) for which a public announcement as contemplated by this Section 1.2(b) has been made, the date upon which the Borrower (in the case of clause (i) above) or the person, group or entity (in the case of clause (ii) above) consummates or publicly announces the termination or abandonment of the proposed transaction or tender offer (or takeover scheme) which caused this Section 1.2(b) to become operative.

(b) Pro Rata Conversion; Disputes. In the event of a dispute as to the number of shares of Common Stock issuable to the Holder in connection with a conversion of this Note, the Borrower shall issue to the Holder the number of shares of Common Stock not in dispute and resolve such dispute in accordance with Section 4.13.

(c) If at any time the Conversion Price as determined hereunder for any conversion would be less than the par value of the Common Stock, then the Conversion Price hereunder shall equal such par value for such conversion and the Conversion Amount for such conversion shall be increased to include Additional Principal, where "Additional Principal" means such additional amount to be added to the Conversion Amount to the extent necessary to cause the number of conversion shares issuable upon such conversion to equal the same number of conversion shares as would have been issued had the Conversion Price not been subject to the minimum price set forth in this Section 1.2(c).

1.3 Authorized Shares. The Borrower covenants that during the period the conversion right exists, the Borrower will reserve from its authorized and unissued Common Stock a sufficient number of shares, free from preemptive rights, to provide for the issuance of Common Stock upon the full conversion of this Note issued pursuant to the Purchase Agreement. The Borrower is required at all times to have authorized and reserved seven times the number of shares that is actually issuable upon full conversion of the Note (based on the Conversion Price of the Notes in effect from time to time) (the "Reserved Amount"). The Reserved Amount shall be increased from time to time in accordance with the Borrower's obligations pursuant to Section 3(d) of the Purchase Agreement. The Borrower represents that upon issuance, such shares will be duly and validly issued, fully paid and non-assessable. In addition, if the Borrower shall issue any securities or make any change to its capital structure which would change the number of shares of Common Stock into which the Notes shall be convertible at the then current Conversion Price, the Borrower shall at the same time make proper provision so that thereafter there shall be a sufficient number of shares of Common Stock authorized and reserved, free from preemptive rights, for conversion of the outstanding Notes. The Borrower (i) acknowledges that it has irrevocably instructed its transfer agent to issue certificates for the Common Stock issuable upon conversion of this Note, and (ii) agrees that its issuance of this Note shall constitute full authority to its officers and agents who are charged with the duty of executing stock certificates to execute and issue the necessary certificates for shares of Common Stock in accordance with the terms and conditions of this Note.

If, at any time the Borrower does not maintain or replenish the Reserved Amount within three (3) business days of the request of the Holder, the principal amount of the Note shall increase by Two Thousand and No/100 United States Dollars (\$2,000) (under Holder's and Borrower's expectation that any principal amount increase will tack back to the Issue Date) per occurrence.

#### 1.4 Method of Conversion.

(a) Mechanics of Conversion. Subject to Section 1.1, this Note may be converted by the Holder in whole or in part at any time from time to time following the 180<sup>th</sup> day after the Issue Date, by (A) submitting to the Borrower a Notice of Conversion (by facsimile, e-mail or other reasonable means of communication dispatched on the Conversion Date prior to 5:00 p.m., New York, New York time) and (B) subject to Section 1.4(b), surrendering this Note at the principal office of the Borrower.

(b) Surrender of Note Upon Conversion. Notwithstanding anything to the contrary set forth herein, upon conversion of this Note in accordance with the terms hereof, the Holder shall not be required to physically surrender this Note to the Borrower unless the entire unpaid principal amount of this Note is so converted. The Holder and the Borrower shall maintain records showing the principal amount so converted and the dates of such conversions or shall use such other method, reasonably satisfactory to the Holder and the Borrower, so as not to require physical surrender of this Note upon each such conversion. In the event of any dispute or discrepancy, such records of the Borrower shall, *prima facie*, be controlling and determinative in the absence of manifest error. Notwithstanding the foregoing, if any portion of this Note is converted as aforesaid, the Holder may not transfer this Note unless the Holder first physically surrenders this Note to the Borrower, whereupon the Borrower will forthwith issue and deliver upon the order of the Holder a new Note of like tenor, registered as the Holder (upon payment by the Holder of any applicable transfer taxes) may request, representing in the aggregate the remaining unpaid principal amount of this Note. The Holder and any assignee, by acceptance of this Note, acknowledge and agree that, by reason of the provisions of this paragraph, following conversion of a portion of this Note, the unpaid and unconverted principal amount of this Note represented by this Note may be less than the amount stated on the face hereof.

(c) Payment of Taxes. The Borrower shall not be required to pay any tax which may be payable in respect of any transfer involved in the issue and delivery of shares of Common Stock or other securities or property on conversion of this Note in a name other than that of the Holder (or in street name), and the Borrower shall not be required to issue or deliver any such shares or other securities or property unless and until the person or persons (other than the Holder or the custodian in whose street name such shares are to be held for the Holder's account) requesting the issuance thereof shall have paid to the Borrower the amount of any such tax or shall have established to the satisfaction of the Borrower that such tax has been paid.

(d) Delivery of Common Stock Upon Conversion. Upon receipt by the Borrower from the Holder of a facsimile transmission or e-mail (or other reasonable means of communication) of a Notice of Conversion meeting the requirements for conversion as provided in this Section 1.4, the Borrower shall issue and deliver or cause to be issued and delivered to or upon the order of the Holder certificates for the Common Stock issuable upon such conversion within three (3) business days after such receipt (the "Deadline") (and, solely in the case of conversion of the entire unpaid principal amount hereof, surrender of this Note) in accordance with the terms hereof and the Purchase Agreement.

(e) Obligation of Borrower to Deliver Common Stock. Upon receipt by the Borrower of a Notice of Conversion, the Holder shall be deemed to be the holder of record of the Common Stock issuable upon such conversion, the outstanding principal amount and the amount of accrued and unpaid interest on this Note shall be reduced to reflect such conversion, and, unless the Borrower defaults on its obligations under this Article I, all rights with respect to the portion of this Note being so converted shall forthwith terminate except the right to receive the Common Stock or other securities, cash or other assets, as herein provided, on such conversion. If the Holder shall have given a Notice of Conversion as provided herein, the Borrower's obligation to issue and deliver the certificates for Common Stock shall be absolute and unconditional, irrespective of the absence of any action by the Holder to enforce the same, any waiver or consent with respect to any provision thereof, the recovery of any judgment against any person or any action to enforce the same, any failure or delay in the enforcement of any other obligation of the Borrower to the holder of record, or any setoff, counterclaim, recoupment, limitation or termination, or any breach or alleged breach by the Holder of any obligation to the Borrower, and irrespective of any other circumstance which might otherwise limit such obligation of the Borrower to the Holder in connection with such conversion. The Conversion Date specified in the Notice of Conversion shall be the Conversion Date so long as the Notice of Conversion is received by the Borrower before 5:00 p.m., New York, New York time, on such date.

(f) Delivery of Common Stock by Electronic Transfer. In lieu of delivering physical certificates representing the Common Stock issuable upon conversion, provided the Borrower is participating in the Depository Trust Company ("DTC") Fast Automated Securities Transfer ("FAST") program, upon request of the Holder and its compliance with the provisions contained in Section 1.1 and in this Section 1.4, the Borrower shall use its commercially reasonable best efforts to cause its transfer agent to electronically transmit the Common Stock issuable upon conversion to the Holder by crediting the account of Holder's Prime Broker with DTC through its Deposit Withdrawal At Custodian ("DWAC") system.

(g) DTC Eligibility & Market Loss. If the Borrower fails to maintain its status as "DTC Eligible" for any reason, or, if the Conversion Price is less than \$0.01 at any time after the Issue Date, the principal amount of the Note shall increase by Fifteen Thousand and No/100 United States Dollars (\$15,000) (under Holder's and Borrower's expectation that any principal amount increase will tack back to the Issue Date). In addition, the Variable Conversion Price shall be redefined to mean forty percent (40%) multiplied by the Market Price, subject to adjustment as provided in this Note.

(h) Failure to Deliver Common Stock Prior to Delivery Deadline. Without in any way limiting the Holder's right to pursue other remedies, including actual damages and/or equitable relief, the parties agree that if delivery of the Common Stock issuable upon conversion of this Note is not delivered by the Deadline (other than a failure due to the circumstances described in Section 1.3 above, which failure shall be governed by such Section) the Borrower shall pay to the Holder \$2,000 per day in cash, for each day beyond the Deadline that the Borrower fails to deliver such Common Stock until the Borrower issues and delivers a certificate to the Holder or credit the Holder's balance account with OTC for the number of shares of Common Stock to which the Holder is entitled upon such Holder's conversion of any Conversion Amount (under Holder's and Borrower's expectation that any damages will tack back to the Issue Date).. Such cash amount shall be paid to Holder by the fifth day of the month following the month in which it has accrued or, at the option of the Holder (by written notice to the Borrower by the first day of the month following the month in which it has accrued), shall be added to the principal amount of this Note, in which event interest shall accrue thereon in accordance with the terms of this Note and such additional principal amount shall be convertible into Common Stock in accordance with the terms of this Note. The Borrower agrees that the right to convert is a valuable right to the Holder. The damages resulting from a failure, attempt to frustrate, interference with such conversion right are difficult if not impossible to qualify. Accordingly the parties acknowledge that the liquidated damages provision contained in this Section 1.4(h) are justified.

(i) Rescindment of a Notice of Conversion. If (i) the Borrower fails to respond to Holder within one (1) business day from the Conversion Date confirming the details of Notice of Conversion, (ii) the Borrower fails to provide any of the shares of the Borrower's Common Stock requested in the Notice of Conversion within three (3) business days from the date of receipt of the Note of Conversion, (iii) the Holder is unable to procure a legal opinion required to have the shares of the Borrower's Common Stock issued unrestricted and/or deposited to sell for any reason related to the Borrower's standing, (iv) the Holder is unable to deposit the shares of the Borrower's Common Stock requested in the Notice of Conversion for any reason related to the Borrower's standing, (v) at any time after a missed Deadline, at the Holder's sole discretion, or (vi) if OTC Markets changes the Borrower's designation to 'Limited Information' (Yield), 'No Information' (Stop Sign), 'Caveat Emptor' (Skull & Crossbones), 'OTC', 'Other OTC' or 'Grey Market' (Exclamation Mark Sign) or other trading restriction on the day of or any day after the Conversion Date, the Holder maintains the option and sole discretion to rescind the Notice of Conversion ("Rescindment") with a "Notice of Rescindment."

1.5 Concerning the Shares. The shares of Common Stock issuable upon conversion of this Note may not be sold or transferred unless (i) such shares are sold pursuant to an effective registration statement under the Act or (ii) the Borrower or its transfer agent shall have been furnished with an opinion of counsel reasonably satisfactory to Borrower's transfer agent (which opinion shall be in form, substance and scope customary for opinions of counsel in comparable transactions) to the effect that the shares to be sold or transferred may be sold or transferred pursuant to an exemption from such registration or (iii) such shares are sold or transferred pursuant to Rule 144 under the Act (or a successor rule) ("Rule 144") or (iv) such shares are transferred to an "affiliate" (as defined in Rule 144) of the Borrower who agrees to sell or otherwise transfer the shares only in accordance with this Section 1.5 and who is an Accredited Investor (as defined in the Purchase Agreement). Except as otherwise provided in the Purchase Agreement (and subject to the removal provisions set forth below), until such time as the shares of Common Stock issuable upon conversion of this Note have been registered under the Act or otherwise may be sold pursuant to Rule 144 without any restriction as to the number of securities as of a particular date that can then be immediately sold, each certificate for shares of Common Stock issuable upon conversion of this Note that has not been so included in an effective registration statement or that has not been sold pursuant to an effective registration statement or an exemption that permits removal of the legend, shall bear a legend substantially in the following form, as appropriate:

**"NEITHER THE ISSUANCE AND SALE OF THE SECURITIES REPRESENTED BY THIS CERTIFICATE NOR THE SECURITIES INTO WHICH THESE SECURITIES ARE EXERCISABLE HAVE BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED (I) IN THE ABSENCE OF (A) AN EFFECTIVE REGISTRATION STATEMENT FOR THE SECURITIES UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR (B) AN OPINION OF COUNSEL (WHICH COUNSEL SHALL BE SELECTED BY THE HOLDER), IN A GENERALLY ACCEPTABLE FORM, THAT REGISTRATION IS NOT REQUIRED UNDER SAID ACT OR (II) UNLESS SOLD PURSUANT TO RULE 144 OR RULE 144A UNDER SAID ACT. NOTWITHSTANDING THE FOREGOING, THE SECURITIES MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT WITH A REGISTERED BROKER DEALER OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES WITH A FINANCIAL INSTITUTION THAT IS AN "ACCREDITED INVESTOR" AS DEFINED IN RULE 501(a) UNDER THE SECURITIES ACT."**

The legend set forth above shall be removed and the Borrower shall issue to the Holder a new certificate therefore free of any transfer legend if (i) the Borrower or its transfer agent shall have received an opinion of counsel reasonably satisfactory to Borrower's transfer agent, in form, substance and scope customary for opinions of counsel in comparable transactions, to the effect that a public sale or transfer of such Common Stock may be made without registration under the Act, which opinion shall be reasonably accepted by the Borrower so that the sale or transfer is effected or (ii) in the case of the Common Stock issuable upon conversion of this Note, such security is registered for sale by the Holder under an effective registration statement filed under the Act or otherwise may be sold pursuant to Rule 144 without any restriction as to the number of securities as of a particular date that can then be immediately sold.

#### 1.6 Effect of Certain Events.

(a) Effect of Merger, Consolidation, Etc. At the option of the Holder, the sale, conveyance or disposition of all or substantially all of the assets of the Borrower, the effectuation by the Borrower of a transaction or series of related transactions in which more than 50% of the voting power of the Borrower is disposed of, or the consolidation, merger or other business combination of the Borrower with or into any other Person (as defined below) or Persons when the Borrower is not the survivor shall either: (i) be deemed to be an Event of Default (as defined in Article III) pursuant to which the Borrower shall be required to pay to the Holder upon the consummation of and as a condition to such transaction an amount equal to the Default Amount (as defined in Article III) or (ii) be treated pursuant to Section 1.6(b) hereof. "Person" shall mean any individual, corporation, limited liability company, partnership, association, trust or other entity or organization.

(b) Adjustment Due to Merger, Consolidation, Etc. If, at any time when this Note is issued and outstanding and prior to conversion of all of the Notes, there shall be any merger, consolidation, exchange of shares, recapitalization, reorganization, or other similar event, as a result of which shares of Common Stock of the Borrower shall be changed into the same or a different number of shares of another class or classes of stock or securities of the Borrower or another entity, or in case of any sale or conveyance of all or substantially all of the assets of the Borrower other than in connection with a plan of complete liquidation of the Borrower, then the Holder of this Note shall thereafter have the right to receive upon conversion of this Note, upon the basis and upon the terms and conditions specified herein and in lieu of the shares of Common Stock immediately theretofore issuable upon conversion, such stock, securities or assets which the Holder would have been entitled to receive in such transaction had this Note been converted in full immediately prior to such transaction (without regard to any limitations on conversion set forth herein), and in any such case appropriate provisions shall be made with respect to the rights and interests of the Holder of this Note to the end that the provisions hereof (including, without limitation, provisions for adjustment of the Conversion Price and of the number of shares issuable upon conversion of the Note) shall thereafter be applicable, as nearly as may be practicable in relation to any securities or assets thereafter deliverable upon the conversion hereof. The Borrower shall not affect any transaction described in this Section 1.6(b) unless (a) it first gives, to the extent practicable, thirty (30) days prior written notice (but in any event at least fifteen (15) days prior written notice) of the record date of the special meeting of shareholders to approve, or if there is no such record date, the consummation of, such merger, consolidation, exchange of shares, recapitalization, reorganization or other similar event or sale of assets (during which time the Holder shall be entitled to convert this Note) and (b) the resulting successor or acquiring entity (if not the Borrower) assumes by written instrument the obligations of this Section 1.6(b). The above provisions shall similarly apply to successive consolidations, mergers, sales, transfers or share exchanges.

(c) Adjustment Due to Distribution. If the Borrower shall declare or make any distribution of its assets (or rights to acquire its assets) to holders of Common Stock as a dividend, stock repurchase, by way of return of capital or otherwise (including any dividend or distribution to the Borrower's shareholders in cash or shares (or rights to acquire shares) of capital stock of a subsidiary (i.e., a spin-off)) (a "Distribution"), then the Holder of this Note shall be entitled, upon any conversion of this Note after the date of record for determining shareholders entitled to such Distribution, to receive the amount of such assets which would have been payable to the Holder with respect to the shares of Common Stock issuable upon such conversion had such Holder been the holder of such shares of Common Stock on the record date for the determination of shareholders entitled to such Distribution.

(d) Adjustment Due to Dilutive Issuance. If, at any time when any Notes are issued and outstanding, the Borrower issues or sells, or in accordance with this Section 1.6(d) hereof is deemed to have issued or sold, except for shares of Common Stock issued directly to vendors or suppliers of the Borrower in satisfaction of amounts owed to such vendors or suppliers (provided, however, that such vendors or suppliers shall not have an arrangement to transfer, sell or assign such shares of Common Stock prior to the issuance of such shares), any shares of Common Stock for no consideration or for a consideration per share (before deduction of reasonable expenses or commissions or underwriting discounts or allowances in connection therewith) less than the Conversion Price in effect on the date of such issuance (or deemed issuance) of such shares of Common Stock (a "Dilutive Issuance"), then immediately upon the Dilutive Issuance, the Conversion Price will be reduced to the amount of the consideration per share received by the Borrower in such Dilutive Issuance.

The Borrower shall be deemed to have issued or sold shares of Common Stock if the Borrower in any manner issues or grants any warrants, rights or options (not including employee stock option plans), whether or not immediately exercisable, to subscribe for or to purchase Common Stock or other securities convertible into or exchangeable for Common Stock ("Convertible Securities") (such warrants, rights and options to purchase Common Stock or Convertible Securities are hereinafter referred to as "Options") and the price per share for which Common Stock is issuable upon the exercise of such Options is less than the Conversion Price then in effect, then the Conversion Price shall be equal to such price per share. For purposes of the preceding sentence, the "price per share for which Common Stock is issuable upon the exercise of such Options" is determined by dividing (i) the total amount, if any, received or receivable by the Borrower as consideration for the issuance or granting of all such Options, plus the minimum aggregate amount of additional consideration, if any, payable to the Borrower upon the exercise of all such Options, plus, in the case of Convertible Securities issuable upon the exercise of such Options, the minimum aggregate amount of additional consideration payable upon the conversion or exchange thereof at the time such Convertible Securities first become convertible or exchangeable, by (ii) the maximum total number of shares of Common Stock issuable upon the exercise of all such Options (assuming full conversion of Convertible Securities, if applicable). No further adjustment to the Conversion Price will be made upon the actual issuance of such Common Stock upon the exercise of such Options or upon the conversion or exchange of Convertible Securities issuable upon exercise of such Options.

Additionally, the Borrower shall be deemed to have issued or sold shares of Common Stock if the Borrower in any manner issues or sells any Convertible Securities, whether or not immediately convertible (other than where the same are issuable upon the exercise of Options), and the price per share for which Common Stock is issuable upon such conversion or exchange is less than the Conversion Price then in effect, then the Conversion Price shall be equal to such price per share. For the purposes of the preceding sentence, the "price per share for which Common Stock is issuable upon such conversion or exchange" is determined by dividing (i) the total amount, if any, received or receivable by the Borrower as consideration for the issuance or sale of all such Convertible Securities, plus the minimum aggregate amount of additional consideration, if any, payable to the Borrower upon the conversion or exchange thereof at the time such Convertible Securities first become convertible or exchangeable, by (ii) the maximum total number of shares of Common Stock issuable upon the conversion or exchange of all such Convertible Securities. No further adjustment to the Conversion Price will be made upon the actual issuance of such Common Stock upon conversion or exchange of such Convertible Securities.

Notwithstanding anything in this Section 1.6, no adjustment will be made under this Section 1.6 in respect of an Exempt Issuance (as defined below).

"Exempt Issuance" means the issuance of (a) securities to employees, officers or directors of the Borrower, pursuant to any stock or option plan duly adopted for such purpose, or upon approval by a majority of the non-employee members of the Board of Directors or a majority of the members of a committee of non-employee directors established for such purpose for services rendered to the Borrower, (b) securities upon the exercise or exchange of or conversion of any Securities issued hereunder, and/or other any securities of the Borrower which would entitle the holder thereof to acquire at any time Common Stock, including, without limitation, any debt, preferred stock, right, option, warrant or other instrument that is at any time convertible into or exercisable or exchangeable for, or otherwise entitles the holder thereof to receive, Common Stock, issued and outstanding on the date of this Agreement, provided that such securities have not been amended since the date of this Agreement to increase the number of such securities or to decrease the exercise price, exchange price or conversion price of such securities (other than automatically pursuant to their terms, or in connection with stock splits or combinations) or to extend the term of such securities, (c) securities issued pursuant to any purchase money equipment loan or capital leasing arrangement approved by a purchasing agent or debt financing from a commercial bank or similar financial institution, (d) securities in full or partial consideration in connection with a bona fide strategic merger, acquisition, consolidation or purchase of all or substantially all of the securities or assets of a corporation or other entity, so long as such issuance is not for the primary purpose of raising capital by the Borrower; (e) securities in connection with a bona fide strategic license agreement, sponsored research agreement, collaboration agreement, development agreement, OEM agreement, marketing or distribution agreement, or other bona fide partnering arrangement, so long as such issuance is not for the primary purpose of raising capital by the Borrower; (f) securities to a bank or other financial institution pursuant to a bona fide commercial debt financing or to equipment lessor pursuant to a bona fide equipment leasing agreement; and (g) securities upon a stock split, stock dividend or subdivision of the Common Stock.



(e) Purchase Rights. If, at any time when any Notes are issued and outstanding, the Borrower issues any convertible securities or rights to purchase stock, warrants, securities or other property (the "Purchase Rights") pro rata to the record holders of any class of Common Stock, then the Holder of this Note will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which such Holder could have acquired if such Holder had held the number of shares of Common Stock acquirable upon complete conversion of this Note (without regard to any limitations on conversion contained herein) immediately before the date on which a record is taken for the grant, issuance or sale of such Purchase Rights or, if no such record is taken, the date as of which the record holders of Common Stock are to be determined for the grant, issue or sale of such Purchase Rights.

(f) Notice of Adjustments. Upon the occurrence of each adjustment or readjustment of the Conversion Price as a result of the events described in this Section 1.6, the Borrower, at its expense, shall promptly compute such adjustment or readjustment and prepare and furnish to the Holder a certificate setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment or readjustment is based. The Borrower shall, upon the written request at any time of the Holder, furnish to such Holder a like certificate setting forth (i) such adjustment or readjustment, (ii) the Conversion Price at the time in effect and (iii) the number of shares of Common Stock and the amount, if any, of other securities or property which at the time would be received upon conversion of the Note.

1.7 [Intentionally Omitted].

1.8 Status as Shareholder. Upon submission of a Notice of Conversion by a Holder, (i) the shares covered thereby (other than the shares, if any, which cannot be issued because their issuance would exceed such Holder's allocated portion of the Reserved Amount or Maximum Share Amount) shall be deemed converted into shares of Common Stock and (ii) the Holder's rights as a Holder of such converted portion of this Note shall cease and terminate, excepting only the right to receive certificates for such shares of Common Stock and to any remedies provided herein or otherwise available at law or in equity to such Holder because of a failure by the Borrower to comply with the terms of this Note. Notwithstanding the foregoing, if a Holder has not received certificates for all shares of Common Stock prior to the tenth (10th) business day after the expiration of the Deadline with respect to a conversion of any portion of this Note for any reason, then (unless the Holder otherwise elects to retain its status as a holder of Common Stock by so notifying the Borrower) the Holder shall regain the rights of a Holder of this Note with respect to such unconverted portions of this Note and the Borrower shall, as soon as practicable, return such unconverted Note to the Holder or, if the Note has not been surrendered, adjust its records to reflect that such portion of this Note has not been converted. In all cases, the Holder shall retain all of its rights and remedies (including, without limitation, (i) the right to receive Conversion Default Payments pursuant to Section 1.3 to the extent required thereby for such Conversion Default and any subsequent Conversion Default and (ii) the right to have the Conversion Price with respect to subsequent conversions determined in accordance with Section 1.3) for the Borrower's failure to convert this Note.

1.9 Prepayment. Subject to the terms of this Note, and provided that an Event of Default has not occurred under this Note, the Borrower may prepay the amounts outstanding hereunder pursuant to the following terms and conditions:

(a) At any time during the period beginning on the Issue Date and ending on the date which is ninety (90) days following the Issue Date, the Borrower shall have the right, exercisable on not less than three (3) Trading Days prior written notice to the Holder of the Note to prepay the outstanding Note (principal and accrued interest), in full by making a payment to the Holder of an amount in cash equal to 130%, multiplied by the sum of: (w) the then outstanding principal amount of this Note plus (x) accrued and unpaid interest on the unpaid principal amount of this Note plus (y) Default Interest, if any.

(b) At any time during the period beginning the day which is ninety one (91) days following the Issue Date and ending on the date which is one hundred eighty (180) days following the Issue Date, the Borrower shall have the right, exercisable on not less than three (3) Trading Days prior written notice to the Holder of the Note to prepay the outstanding Note (principal and accrued interest), in full by making a payment to the Holder of an amount in cash equal to 145%, multiplied by the sum of: (w) the then outstanding principal amount of this Note plus (x) accrued and unpaid interest on the unpaid principal amount of this Note plus (y) Default Interest, if any.

(c) After the expiration of one hundred eighty (180) days following the date of the Note, the Borrower shall have no right of prepayment.

1.10 Any notice of prepayment hereunder (an "Optional Prepayment Notice") shall be delivered to the Holder of the Note at its registered addresses by physical mail, facsimile or email and shall state: (1) that the Borrower is exercising its right to prepay the Note, and (2) the date of prepayment which shall be not more than three (3) Trading Days from the date of the Optional Prepayment Notice. On the date fixed for prepayment (the "Optional Prepayment Date"), the Borrower shall make payment of the applicable prepayment amount to or upon the order of the Holder as specified by the Holder in writing to the Borrower. If the Borrower delivers an Optional Prepayment Notice and fails to pay the applicable prepayment amount due to the Holder of the Note within two (2) business days following the Optional Prepayment Date, the Borrower shall forever forfeit its right to prepay the Note pursuant to Section 1.9.

## ARTICLE II. CERTAIN COVENANTS

2.1 Distributions on Capital Stock. So long as the Borrower shall have any obligation under this Note, the Borrower shall not without the Holder's written consent (a) pay, declare or set apart for such payment, any dividend or other distribution (whether in cash, property or other securities) on shares of capital stock other than dividends on shares of Common Stock solely in the form of additional shares of Common Stock or (b) directly or indirectly or through any subsidiary make any other payment or distribution in respect of its capital stock except for distributions pursuant to any shareholders' rights plan which is approved by a majority of the Borrower's disinterested directors.

2.2 Restriction on Stock Repurchases. Other than pursuant to an Exempt Issuance, so long as the Borrower shall have any obligation under this Note, the Borrower shall not without the Holder's written consent redeem, repurchase or otherwise acquire (whether for cash or in exchange for property or other securities or otherwise) in any one transaction or series of related transactions any shares of capital stock of the Borrower or any warrants, rights or options to purchase or acquire any such shares.

2.3 Borrowings. So long as the Borrower shall have any obligation under this Note, the Borrower shall not, without the Holder's written consent, create, incur, assume, guarantee, endorse, contingently agree to purchase or otherwise become liable upon the obligation of any person, firm, partnership, joint venture or corporation, except by the endorsement of negotiable instruments for deposit or collection, or suffer to exist any liability for borrowed money, except (a) borrowings in existence or committed on the date hereof and of which the Borrower has informed Holder in writing prior to the date hereof and as listed on Exhibit B, (b) indebtedness to trade creditors financial institutions or other lenders incurred in the ordinary course of business or (c) borrowings, the proceeds of which shall be used to repay this Note.

2.4 Sale of Assets. So long as the Borrower shall have any obligation under this Note, the Borrower shall not, without the Holder's written consent, sell, lease or otherwise dispose of any significant portion of its assets outside the ordinary course of business with the exception of the transactions listed on Exhibit C attached hereto. Any consent to the disposition of any assets may be conditioned on a specified use of the proceeds towards the repayment of this Note.

2.5 Advances and Loans. So long as the Borrower shall have any obligation under this Note, the Borrower shall not, without the Holder's written consent, lend money, give credit or make advances to any person, firm, joint venture or corporation, including, without limitation, officers, directors, employees, subsidiaries and affiliates of the Borrower, except loans, credits or advances (a) in existence or committed on the date hereof and which the Borrower has informed Holder in writing prior to the date hereof, (b) made in the ordinary course of business or (c) not in excess of \$100,000.

2.6 Section 3(a)(10) Transaction. So long as this Note is outstanding, the Borrower shall not enter into any transaction or arrangement structured in accordance with, based upon, or related or pursuant to, in whole or in part, Section 3(a)(10) of the Securities Act (a "3(a)(10) Transaction"). In the event that the Borrower does enter into, or makes any issuance of Common Stock related to a 3(a)(10) Transaction while this note is outstanding, a liquidated damages charge of 25% of the outstanding principal balance of this Note, but not less than Fifteen Thousand Dollars (\$15,000), will be assessed and will become immediately due and payable to the Holder at its election in the form of cash payment or addition to the balance of this Note.

2.7 Preservation of Existence, etc. The Borrower shall maintain and preserve, and cause each of its Subsidiaries to maintain and preserve, its existence, rights and privileges, and become or remain, and cause each of its Subsidiaries (other than dormant Subsidiaries that have no or minimum assets) to become or remain, duly qualified and in good standing in each jurisdiction in which the character of the properties owned or leased by it or in which the transaction of its business makes such qualification necessary.

2.8 Non-circumvention. The Borrower hereby covenants and agrees that the Borrower will not, by amendment of its Certificate or Articles of Incorporation or Bylaws, or through any reorganization, transfer of assets, consolidation, merger, scheme of arrangement, dissolution, issue or sale of securities, or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Note, and will at all times in good faith carry out all the provisions of this Note and take all action as may be required to protect the rights of the Holder.

2.9 [Intentionally Deleted]

### ARTICLE III. EVENTS OF DEFAULT

If any of the following events of default (each, an "Event of Default") shall occur:

3.1 Failure to Pay Principal or Interest. The Borrower fails to pay the principal hereof or interest thereon when due on this Note, whether at maturity, upon acceleration or otherwise.

3.2 Conversion and the Shares. The Borrower (i) fails to issue shares of Common Stock to the Holder (or announces or threatens in writing that it will not honor its obligation to do so) upon exercise by the Holder of the conversion rights of the Holder in accordance with the terms of this Note, (ii) fails to transfer or cause its transfer agent to transfer (issue) (electronically or in certificated form) any certificate for shares of Common Stock issued to the Holder upon conversion of or otherwise pursuant to this Note as and when required by this Note, (iii) directs its transfer agent not to transfer or delays, impairs, and/or hinders its transfer agent in transferring (or issuing) (electronically or in certificated form) any certificate for shares of Common Stock to be issued to the Holder upon conversion of or otherwise pursuant to this Note as and when required by this Note, (iv) fails to remove (or directs its transfer agent not to remove or impairs, delays, and/or hinders its transfer agent from removing) any restrictive legend (or to withdraw any stop transfer instructions in respect thereof) on any certificate for any shares of Common Stock issued to the Holder upon conversion of or otherwise pursuant to this Note as and when required by this Note (or makes any written announcement, statement or threat that it does not intend to honor the obligations described in this paragraph) and any such failure shall continue uncured (or any written announcement, statement or threat not to honor its obligations shall not be rescinded in writing) for three (3) business days after the Holder shall have delivered a Notice of Conversion, (v) fails to remain current in its obligations to its transfer agent, (vi) causes a conversion of this Note is delayed, hindered or frustrated due to a balance owed by the Borrower to its transfer agent, (vii) fails to repay Holder, within forty eight (48) hours of a demand from the Holder, any amount of funds advanced by Holder to Borrower's transfer agent in order to process a conversion, and/or (viii) fails to reserve sufficient amount of shares of common stock to satisfy the Reserved Amount at all times.

3.3 Failure to Deliver Transaction Expense Amount. The Borrower fails to deliver the Transaction Expense Amount (as defined in the Purchase Agreement) to the Holder within three (3) business days of the date such amount is due.

3.4 Breach of Covenants. The Borrower breaches any material covenant or other material term or condition contained in this Note and any collateral documents including but not limited to the Purchase Agreement and such breach continues for a period of ten (10) days after written notice thereof to the Borrower from the Holder.

3.5 Breach of Representations and Warranties. Any representation or warranty of the Borrower made herein or in any agreement, statement or certificate given in writing pursuant hereto or in connection herewith (including, without limitation, the Purchase Agreement), shall be false or misleading in any material respect when made and the breach of which has (or with the passage of time will have) a material adverse effect on the rights of the Holder with respect to this Note or the Purchase Agreement.

3.6 Receiver or Trustee. The Borrower or any subsidiary of the Borrower shall make an assignment for the benefit of creditors or commence proceedings for its dissolution, or apply for or consent to the appointment of a receiver or trustee for it or for a substantial part of its property or business, or such a receiver or trustee shall otherwise be appointed for the Borrower or for a substantial part of its property or business without its consent and shall not be discharged within sixty (60) days after such appointment.

3.7 Judgments. Any money judgment, writ or similar process shall be entered or filed against the Borrower or any subsidiary of the Borrower or any of its property or other assets for more than \$50,000, and shall remain unvacated, unbonded or unstayed for a period of twenty (20) days unless otherwise consented to by the Holder, which consent will not be unreasonably withheld.

3.8 Bankruptcy. Bankruptcy, insolvency, reorganization or liquidation proceedings or other proceedings, voluntary or involuntary, for relief under any bankruptcy law or any law for the relief of debtors shall be instituted by or against the Borrower or any subsidiary of the Borrower, or the Borrower admits in writing its inability to pay its debts generally as they mature, or have filed against it an involuntary petition for bankruptcy relief, all under federal or state laws as applicable or the Borrower admits in writing its inability to pay its debts generally as they mature, or have filed against it an involuntary petition for bankruptcy relief, all under international, federal or state laws as applicable.

3.9 Delisting of Common Stock. The Borrower shall fail to maintain the listing of the Common Stock on at least one of the OTC Pink, OTCQB, Nasdaq National Market, Nasdaq Small Cap Market, New York Stock Exchange, NYSE MKT, or an equivalent replacement exchange

3.10 Failure to Comply with the Exchange Act. The Borrower shall fail to comply with the reporting requirements of the Exchange Act (including but not limited to becoming delinquent in its filings); and/or the Borrower shall cease to be subject to the reporting requirements of the Exchange Act.

3.11 Liquidation. Any dissolution, liquidation, or winding up of Borrower or any substantial portion of its business.

3.12 Cessation of Operations. Any cessation of operations by Borrower or Borrower admits it is otherwise generally unable to pay its debts as such debts become due, provided, however, that any disclosure of the Borrower's ability to continue as a "going concern" shall not be an admission that the Borrower cannot pay its debts as they become due.

3.13 Maintenance of Assets. The failure by Borrower to maintain any material intellectual property rights, personal, real property or other assets which are necessary to conduct its business (whether now or in the future), or any disposition or conveyance of any material asset of the Borrower.

3.14 Financial Statement Restatement. The restatement of any financial statements filed by the Borrower with the SEC for any date or period from two years prior to the Issue Date of this Note and until this Note is no longer outstanding, if the result of such restatement would, by comparison to the unrestated financial statement, have constituted a material adverse effect on the rights of the Holder with respect to this Note or the Purchase Agreement.

3.15 Reverse Splits. The Borrower effectuates a reverse split of its Common Stock without twenty (20) days prior written notice to the Holder.

3.16 Replacement of Transfer Agent. In the event that the Borrower proposes to replace its transfer agent, the Borrower fails to provide, prior to the effective date of such replacement, a fully executed Irrevocable Transfer Agent Instructions in a form as initially delivered pursuant to the Purchase Agreement (including but not limited to the provision to irrevocably reserve shares of Common Stock in the Reserved Amount) signed by the successor transfer agent to Borrower and the Borrower.

3.17 Cessation of Trading. Any cessation of trading of the Common Stock on at least one of the OTC Pink, OTCQB, Nasdaq National Market, Nasdaq Small Cap Market, New York Stock Exchange, NYSE MKT, or an equivalent replacement exchange, and such cessation of trading shall continue for a period of five consecutive (5) Trading Days.

3.18 Cross-Default. Notwithstanding anything to the contrary contained in this Note or the other related or companion documents, a breach or default by the Borrower of any covenant or other term or condition contained in any of the Other Agreements (as defined herein), after the passage of all applicable notice and cure or grace periods, shall, at the option of the Holder, be considered a default under this Note and the Other Agreements, in which event the Holder shall be entitled (but in no event required) to apply all rights and remedies of the Holder under the terms of this Note and the Other Agreements by reason of a default under said Other Agreement or hereunder. "Other Agreements" means, collectively, all agreements and instruments between, among or by: (1) the Borrower, and, or for the benefit of, (2) the Holder (and any affiliate of the Holder) or any other third party, including, without limitation, promissory notes; provided, however, the term "Other Agreements" shall not include the agreements and instruments defined as the Purchase Agreement. Each of the loan transactions will be cross-defaulted with each other loan transaction and with all other existing and future debt of Borrower to the Holder.

3.19 Bid Price. The Borrower shall lose the "bid" price for its Common Stock (\$0.0001 on the "Ask" with zero market makers on the "Bid" per Level 2) and/or a market (including the OTC Pink, OTCQB or an equivalent replacement exchange).

3.20 OTC Markets Designation. OTC Markets changes the Borrower's designation to 'No Information' (Stop Sign), 'Caveat Emptor' (Skull and Crossbones), or 'OTC', 'Other OTC' or 'Grey Market' (Exclamation Mark Sign).

3.21 Inside Information. Any attempt by the Borrower or its officers, directors, and/or affiliates to transmit, convey, disclose, or any actual transmittal, conveyance, or disclosure by the Borrower or its officers, directors, and/or affiliates of, material non-public information concerning the Borrower, to the Holder or its successors and assigns, which is not immediately cured by Borrower's filing of a Form 8-K pursuant to Regulation FD on that same date.

Upon the occurrence of any Event of Default specified in Sections 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11, 3.12, 3.13, 3.14, 3.15, 3.16, 3.17, 3.18, 3.19, 3.20, and/or 3.21 exercisable through the delivery of written notice to the Borrower by such Holders (the "Default Notice"), the Note shall become immediately due and payable and the Borrower shall pay to the Holder, in full satisfaction of its obligations hereunder, an amount equal to (i) 150% (EXCEPT THAT 150% SHALL BE REPLACED WITH 200% WITH RESPECT TO SECTION 3.2 ) times the sum of (w) the then outstanding principal amount of this Note plus (x) accrued and unpaid interest on the unpaid principal amount of this Note to the date of payment (the "Mandatory Prepayment Date") plus (y) Default Interest, if any, on the amounts referred to in clauses (w) and/or (x) plus (z) any amounts owed to the Holder pursuant to Sections 1.3 and 1.4(g) hereof (the then outstanding principal amount of this Note to the date of payment plus the amounts referred to in clauses (x), (y) and (z) shall collectively be known as the "Default Sum") or (ii) at the option of the Holder, the "parity value" of the Default Sum to be prepaid, where parity value means (a) the highest number of shares of Common Stock issuable upon conversion of or otherwise pursuant to such Default Sum in accordance with Article I, treating the Trading Day immediately preceding the Mandatory Prepayment Date as the "Conversion Date" for purposes of determining the lowest applicable Conversion Price, unless the Default Event arises as a result of a breach in respect of a specific Conversion Date in which case such Conversion Date shall be the Conversion Date), multiplied by (b) the highest Trading Price for the Common Stock during the period beginning on the date of first occurrence of the Event of Default and ending one day prior to the Mandatory Prepayment Date (the "Default Amount") and all other amounts payable hereunder shall immediately become due and payable, all without demand, presentment or notice, all of which hereby are expressly waived, together with all costs, including, without limitation, legal fees and expenses, of collection, and the Holder shall be entitled to exercise all other rights and remedies available at law or in equity. Further, if a breach of Sections 3.9, 3.10 and/or 3.19 occurs or is continuing after the six (6) month anniversary of this Note, then the principal amount of the Note shall increase by Fifteen Thousand and No/100 United States Dollars (\$15,000) (under Holder's and Borrower's expectation that any principal amount increase will tack back to the Issue Date) and the Holder shall be entitled to use the lowest Trading Price during the delinquency period as a base price for the conversion with the Variable Conversion Price shall be redefined to mean forty percent (40%) multiplied by the Market Price, subject to adjustment as provided in this Note. For example, if the lowest Trading Price during the delinquency period is \$0.50 per share and the conversion discount is 50%, then the Holder may elect to convert future conversions at \$0.15 per share. If this Note is not paid at Maturity Date, then the outstanding principal due under this Note shall increase by Fifteen Thousand and No/100 United States Dollars (\$15,000).

The Holder shall have the right at any time after an Event of Default, to require the Borrower, to immediately issue, in lieu of the Default Amount and/or Default Sum, the number of shares of Common Stock of the Borrower equal to the Default Amount and/or Default Sum divided by the Conversion Price then in effect, pursuant to the terms of this Note (including but not limited to any beneficial ownership limitations contained herein). This requirement by the Borrower shall automatically apply upon the occurrence of an Event of Default without the need for any party to give any notice or take any other action.

If the Holder shall commence an action or proceeding to enforce any provisions of this Note, including, without limitation, engaging an attorney, then if the Holder prevails in such action, the Holder shall be reimbursed by the Borrower for its attorneys' fees and other costs and expenses incurred in the investigation, preparation and prosecution of such action or proceeding.

#### ARTICLE IV. MISCELLANEOUS

4.1 Failure or Indulgence Not Waiver. No failure or delay on the part of the Holder in the exercise of any power, right or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any such power, right or privilege preclude other or further exercise thereof or of any other right, power or privileges. All rights and remedies existing hereunder are cumulative to, and not exclusive of, any rights or remedies otherwise available.



4.2 Notices. All notices, demands, requests, consents, approvals, and other communications required or permitted hereunder shall be in writing and, unless otherwise specified herein, shall be (i) personally served, (ii) deposited in the mail, registered or certified, return receipt requested, postage prepaid, (iii) delivered by reputable air courier service with charges prepaid, or (iv) transmitted by hand delivery, telegram, electronic mail, or facsimile, addressed as set forth below or to such other address as such party shall have specified most recently by written notice. Any notice or other communication required or permitted to be given hereunder shall be deemed effective (a) upon hand delivery or delivery by electronic mail or facsimile, with accurate confirmation generated by the transmitting facsimile machine, at the address or number designated below (if delivered on a business day during normal business hours where such notice is to be received), or the first business day following such delivery (if delivered other than on a business day during normal business hours where such notice is to be received) or (b) on the second business day following the date of mailing by express courier service, fully prepaid, addressed to such address, or upon actual receipt of such mailing, whichever shall first occur. The addresses for such communications shall be:

If to the Borrower, to:

Nuo Therapeutics, Inc.  
207A Perry Parkway, Suite 1  
Gaithersburg, MD 20877  
Attn: David Jordan  
E-mail: [djorden@nuot.com](mailto:djorden@nuot.com)

If to the Holder:

Auctus Fund, LLC  
545 Boylston Street, 2nd Floor  
Boston, MA 02116  
Attn: Lou Posner  
Facsimile: (617) 532-6420

With a copy to (which copy shall not constitute notice):

Chad Friend, Esq., LL.M.  
Legal & Compliance, LLC  
330 Clematis Street, Suite 217  
West Palm Beach, FL 33401  
E-mail: [CFriend@LegalandCompliance.com](mailto:CFriend@LegalandCompliance.com)

4.3 Amendments. This Note and any provision hereof may only be amended by an instrument in writing signed by the Borrower and the Holder. The term "Note" and all reference thereto, as used throughout this instrument, shall mean this instrument (and the other Notes issued pursuant to the Purchase Agreement) as originally executed, or if later amended or supplemented, then as so amended or supplemented.

4.4 Assignability. This Note shall be binding upon the Borrower and its successors and assigns, and shall inure to be the benefit of the Holder and its successors and assigns. Neither the Borrower nor the Holder shall assign this Note or any rights or obligations hereunder without the prior written consent of the other. Notwithstanding the foregoing, the Holder may assign its rights hereunder to any "accredited investor" (as defined in Rule 501(a) of the 1933 Act) in a private transaction from the Holder or to any of its "affiliates", as that term is defined under the 1934 Act, without the consent of the Borrower. Notwithstanding anything in this Note to the contrary, this Note may be pledged as collateral in connection with a bona fide margin account or other lending arrangement. The Holder and any assignee, by acceptance of this Note, acknowledge and agree that following conversion of a portion of this Note, the unpaid and unconverted principal amount of this Note represented by this Note may be less than the amount stated on the face hereof.

4.5 Cost of Collection. If default is made in the payment of this Note, the Borrower shall pay the Holder hereof reasonable costs of collection, including reasonable attorneys' fees.

4.6 Governing Law. This Note shall be governed by and construed in accordance with the laws of the State of Nevada without regard to principles of conflicts of laws. Any action brought by either party against the other concerning the transactions contemplated by this Note shall be brought only in the state courts of Massachusetts or in the federal courts located in the Commonwealth of Massachusetts. The parties to this Note hereby irrevocably waive any objection to jurisdiction and venue of any action instituted hereunder and shall not assert any defense based on lack of jurisdiction or venue or based upon *forum non conveniens*. **THE BORROWER HEREBY IRREVOCABLY WAIVES ANY RIGHT IT MAY HAVE TO, AND AGREES NOT TO REQUEST, A JURY TRIAL FOR THE ADJUDICATION OF ANY DISPUTE HEREUNDER OR IN CONNECTION WITH OR ARISING OUT OF THIS NOTE OR ANY TRANSACTION CONTEMPLATED HEREBY.** The prevailing party shall be entitled to recover from the other party its reasonable attorney's fees and costs. In the event that any provision of this Note or any other agreement delivered in connection herewith is invalid or unenforceable under any applicable statute or rule of law, then such provision shall be deemed inoperative to the extent that it may conflict therewith and shall be deemed modified to conform with such statute or rule of law. Any such provision which may prove invalid or unenforceable under any law shall not affect the validity or enforceability of any other provision of any agreement. Each party hereby irrevocably waives personal service of process and consents to process being served in any suit, action or proceeding in connection with this Agreement or any other Transaction Document by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to such party at the address in effect for notices to it under this Agreement and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any other manner permitted by law.

4.7 Certain Amounts. Whenever pursuant to this Note the Borrower is required to pay an amount in excess of the outstanding principal amount (or the portion thereof required to be paid at that time) plus accrued and unpaid interest plus Default Interest on such interest, the Borrower and the Holder agree that the actual damages to the Holder from the receipt of cash payment on this Note may be difficult to determine and the amount to be so paid by the Borrower represents stipulated damages and not a penalty and is intended to compensate the Holder in part for loss of the opportunity to convert this Note and to earn a return from the sale of shares of Common Stock acquired upon conversion of this Note at a price in excess of the price paid for such shares pursuant to this Note. The Borrower and the Holder hereby agree that such amount of stipulated damages is not plainly disproportionate to the possible loss to the Holder from the receipt of a cash payment without the opportunity to convert this Note into shares of Common Stock.

4.8 Purchase Agreement. By its acceptance of this Note, each party agrees to be bound by the applicable terms of the Purchase Agreement.

4.9 Notice of Corporate Events. Except as otherwise provided below, the Holder of this Note shall have no rights as a Holder of Common Stock unless and only to the extent that it converts this Note into Common Stock. The Borrower shall provide the Holder with prior notification of any meeting of the Borrower's shareholders (and copies of proxy materials and other information sent to shareholders). In the event of any taking by the Borrower of a record of its shareholders for the purpose of determining shareholders who are entitled to receive payment of any dividend or other distribution, any right to subscribe for, purchase or otherwise acquire (including by way of merger, consolidation, reclassification or recapitalization) any share of any class or any other securities or property, or to receive any other right, or for the purpose of determining shareholders who are entitled to vote in connection with any proposed sale, lease or conveyance of all or substantially all of the assets of the Borrower or any proposed liquidation, dissolution or winding up of the Borrower, the Borrower shall mail a notice to the Holder, at least twenty (20) days prior to the record date specified therein (or thirty (30) days prior to the consummation of the transaction or event, whichever is earlier), of the date on which any such record is to be taken for the purpose of such dividend, distribution, right or other event, and a brief statement regarding the amount and character of such dividend, distribution, right or other event to the extent known at such time. The Borrower shall make a public announcement of any event requiring notification to the Holder hereunder substantially simultaneously with the notification to the Holder in accordance with the terms of this Section 4.9 including, but not limited to, name changes, recapitalizations, etc. as soon as possible under law.

4.10 Usury. If it shall be found that any interest or other amount deemed interest due hereunder violates the applicable law governing usury, the applicable provision shall automatically be revised to equal the maximum rate of interest or other amount deemed interest permitted under applicable law. The Borrower covenants (to the extent that it may lawfully do so) that it will not seek to claim or take advantage of any law that would prohibit or forgive the Borrower from paying all or a portion of the principal or interest on this Note.

4.11 Remedies. The Borrower acknowledges that a breach by it of its obligations hereunder will cause irreparable harm to the Holder, by vitiating the intent and purpose of the transaction contemplated hereby. Accordingly, the Borrower acknowledges that the remedy at law for a breach of its obligations under this Note will be inadequate and agrees, in the event of a breach or threatened breach by the Borrower of the provisions of this Note, that the Holder shall be entitled, in addition to all other available remedies at law or in equity, and in addition to the penalties assessable herein, to an injunction or injunctions restraining, preventing or curing any breach of this Note and to enforce specifically the terms and provisions thereof, without the necessity of showing economic loss and without any bond or other security being required. No provision of this Note shall alter or impair the obligation of the Borrower, which is absolute and unconditional, to pay the principal of, and interest on, this Note at the time, place, and rate, and in the form, herein prescribed.

4.12 Severability. In the event that any provision of this Note is invalid or unenforceable under any applicable statute or rule of law, then such provision shall be deemed inoperative to the extent that it may conflict therewith and shall be deemed modified to conform with such statute or rule of law. Any provision hereof which may prove invalid or unenforceable under any law shall not affect the validity or enforceability of any other provision hereof.

4.13 Dispute Resolution. In the case of a dispute as to the determination of the Conversion Price, Conversion Amount, any prepayment amount or Default Amount, Default Sum, Closing or Maturity Date, the closing bid price, or fair market value (as the case may be) or the arithmetic calculation of the Conversion Price or the applicable prepayment amount(s) (as the case may be), the Borrower or the Holder shall submit the disputed determinations or arithmetic calculations via facsimile (i) within two (2) Business Days after receipt of the applicable notice giving rise to such dispute to the Borrower or the Holder or (ii) if no notice gave rise to such dispute, at any time after the Holder learned of the circumstances giving rise to such dispute. If the Holder and the Borrower are unable to agree upon such determination or calculation within two (2) Business Days of such disputed determination or arithmetic calculation (as the case may be) being submitted to the Borrower or the Holder, then the Borrower shall, within two (2) Business Days, submit via facsimile (a) the disputed determination of the Conversion Price, the closing bid price, the or fair market value (as the case may be) to an independent, reputable investment bank selected by the Borrower and approved by the Holder or (b) the disputed arithmetic calculation of the Conversion Price, Conversion Amount, any prepayment amount or Default Amount, Default Sum to an independent, outside accountant selected by the Holder that is reasonably acceptable to the Borrower. The Borrower shall cause at its expense the investment bank or the accountant to perform the determinations or calculations and notify the Borrower and the Holder of the results no later than ten (10) Business Days from the time it receives such disputed determinations or calculations. Such investment bank's or accountant's determination or calculation shall be binding upon all parties absent demonstrable error.

4.14 Terms of Future Financings. So long as this Note is outstanding, upon any issuance by the Borrower or any of its subsidiaries of any security with any term more favorable to the holder of such security or with a term in favor of the holder of such security that was not similarly provided to the Holder in this Note, then the Borrower shall notify the Holder of such additional or more favorable term and such term, at Holder's option, shall become a part of the transaction documents with the Holder. The types of terms contained in another security that may be more favorable to the holder of such security include, but are not limited to, terms addressing conversion discounts, prepayment rate, conversion lookback periods, interest rates, original issue discounts, stock sale price, private placement price per share, and warrant coverage.

4.15 Piggyback Registration Rights. The Borrower shall include on the next registration statement the Borrower files with SEC (or on the subsequent registration statement if such registration statement is withdrawn) all shares issuable upon conversion of this Note. Failure to do so will result in liquidated damages of 10% of the outstanding principal balance of this Note, but not less than Fifteen Thousand and No/100 United States Dollars (\$15,000), being immediately due and payable to the Holder at its election in the form of cash payment or addition to the balance of this Note.

4.16 [Intentionally Omitted].

[signature page follows]

IN WITNESS WHEREOF, Borrower has caused this Note to be signed in its name by its duly authorized officer as of the date first above written.

**NUO THERAPEUTICS, INC.**

By: /s/ David Jordan  
Name: David Jordan  
Title: Chief Executive Officer

NEITHER THE ISSUANCE AND SALE OF THE SECURITIES REPRESENTED BY THIS CERTIFICATE NOR THE SECURITIES INTO WHICH THESE SECURITIES ARE CONVERTIBLE HAVE BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED (I) IN THE ABSENCE OF (A) AN EFFECTIVE REGISTRATION STATEMENT FOR THE SECURITIES UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR (B) AN OPINION OF COUNSEL (WHICH COUNSEL SHALL BE SELECTED BY THE HOLDER), IN A GENERALLY ACCEPTABLE FORM, THAT REGISTRATION IS NOT REQUIRED UNDER SAID ACT OR (II) UNLESS SOLD PURSUANT TO RULE 144 OR RULE 144A UNDER SAID ACT. NOTWITHSTANDING THE FOREGOING, THE SECURITIES MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES.

Principal Amount: \$175,000.00

Issue Date: September 17, 2018

**12% CONVERTIBLE NOTE**

**FOR VALUE RECEIVED, NUO THERAPEUTICS, INC.**, a Delaware corporation ("Borrower" or "Company"), hereby promises to pay to the order of **EMA FINANCIAL, LLC**, a Delaware limited liability company, or its registered assigns (the "Holder"), on June 17, 2019, (subject to extension as set forth below, the "Maturity Date"), the sum of \$175,000.00 as set forth herein, together with interest on the unpaid principal balance hereof at the rate of twelve (12%) per annum (the "Interest Rate") from the date of issuance hereof ("Issue Date") until this Note plus any and all amounts due hereunder are paid in full, and any additional amounts set forth herein, including without limitation any Additional Principal (as defined herein). Interest shall be computed on the basis of a 365-day year and the actual number of days elapsed. Any amount of principal or interest on this Note which is not paid when due shall bear interest at the rate of twenty-four (24%) per annum from the due date thereof until the same is paid ("Default Interest"). All payments due hereunder shall be made in lawful money of the United States of America. All payments shall be made at such address as the Holder shall hereafter give to the Borrower by written notice made in accordance with the provisions of this Note. Whenever any amount expressed to be due by the terms of this Note is due on any day which is not a business day, the same shall instead be due on the next succeeding day which is a business day and, in the case of any interest payment date which is not the date on which this Note is paid in full, the extension of the due date thereof shall not be taken into account for purposes of determining the amount of interest due on such date. As used in this Note, the term "business day" shall mean any day other than a Saturday, Sunday or a day on which commercial banks in the city of New York, New York are authorized or required by law or executive order to remain closed. Each capitalized term used herein, and not otherwise defined, shall have the meaning ascribed thereto in that certain Securities Purchase Agreement entered into by and between the Company and Holder dated on or about the date hereof, pursuant to which this Note was originally issued (the "Purchase Agreement"). The Holder may, by written notice to the Borrower at least five (5) days before the Maturity Date (as may have been previously extended), extend the Maturity Date to up to one (1) year following the date of the original Maturity Date hereunder.

This Note is free from all taxes, liens, claims and encumbrances with respect to the issue thereof and shall not be subject to preemptive rights or other similar rights of shareholders of the Borrower and will not impose personal liability upon the holder thereof.

The following terms shall apply to this Note:

#### ARTICLE I. CONVERSION RIGHTS

1.1. Conversion Right. The Holder shall have the right, in its sole and absolute discretion, at any time from time to time following the 180<sup>th</sup> day after the Issue Date, to convert all or any part of the outstanding amount due under this Note into fully paid and non-assessable shares of Common Stock, as such Common Stock exists on the Issue Date, or any shares of capital stock or other securities of the Borrower into which such Common Stock shall hereafter be changed or reclassified at the conversion price (the "Conversion Price") determined as provided herein (a "Conversion"); provided, however, that in no event shall the Holder be entitled to convert any portion of this Note in excess of that portion of this Note upon conversion of which the sum of (1) the number of shares of Common Stock beneficially owned by the Holder and its affiliates (other than shares of Common Stock which may be deemed beneficially owned through the ownership of the unconverted portion of the Notes or the unexercised or unconverted portion of any other security of the Borrower subject to a limitation on conversion or exercise analogous to the limitations contained herein) and (2) the number of shares of Common Stock issuable upon the conversion of the portion of this Note with respect to which the determination of this proviso is being made, would result in beneficial ownership by the Holder and its affiliates of more than 4.9% of the outstanding shares of Common Stock. For purposes of the proviso to the immediately preceding sentence, beneficial ownership shall be determined in accordance with Section 13(d) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and Regulation 13D-G thereunder, except as otherwise provided in clause (1) of such proviso, provided, further, however, that the limitations on conversion may be waived by the Holder upon, at the election of the Holder, not less than 61 days' prior notice to the Borrower, and the provisions of the conversion limitation shall continue to apply until such 61st day (or such later date, as determined by the Holder, as may be specified in such notice of waiver). To the extent that the limitation contained in this Section 1.1 applies, the determination of whether this Note is convertible (in relation to other securities owned by the Holder together with any Affiliates) and of which principal amount of this Note is convertible shall be in the sole discretion of the Holder, and the submission of a Notice of Conversion shall be deemed to be the Holder's determination of whether this Note may be converted (in relation to other securities owned by the Holder together with any Affiliates) and which principal amount of this Note is convertible, in each case subject to the Beneficial Ownership Limitation. To ensure compliance with this restriction, the Holder will be deemed to represent to the Company each time it delivers a Notice of Conversion that such Notice of Conversion has not violated the restrictions set forth in this paragraph and the Company shall have no obligation to verify or confirm the accuracy of such determination. The number of shares of Common Stock to be issued upon each Conversion of this Note ("Conversion Shares") shall be determined by dividing the Conversion Amount (as defined below) by the applicable Conversion Price then in effect on the date specified in the notice of conversion, in the form attached hereto as Exhibit A (the "Notice of Conversion"), delivered to the Borrower by the Holder in accordance with Section 1.4 below; provided that the Notice of Conversion is submitted by facsimile or e-mail (or by other means resulting in, or reasonably expected to result in, notice) to the Borrower before 5:00 p.m., New York, New York time on such conversion date (the "Conversion Date"). The term "Conversion Amount" means, with respect to any Conversion of this Note, the sum of (1) the principal amount of this Note to be converted in such Conversion, plus (2) accrued and unpaid interest, if any, on such principal amount being converted at the interest rates provided in this Note to the Conversion Date, plus (3) at the Holder's option, Default Interest, if any, on the amounts referred to in the immediately preceding clauses (1) and/or (2), plus (4) any Additional Principal for such Conversion, plus (5) at the Holder's option, any amounts owed to the Holder pursuant to Sections 1.2(c) and 1.4(g) hereof.

1.2. Conversion Price.

a) Calculation of Conversion Price. The conversion price hereunder (the "Conversion Price") shall equal 60% of the average of the two (2) lowest sale prices for the Common Stock on the Principal Market during the twenty five (25) consecutive Trading Days on which at least 100 shares of Common Stock were traded, including and immediately preceding the Conversion Date. If an Event of Default under Section 3.9 of the Note has occurred, Holder, in its sole discretion, may elect to use a Conversion Price which shall equal the lower of: (i) the closing sale price of the Common Stock on the Principal Market on the Trading Day immediately preceding the Closing Date; (ii) 60% of either the lowest sale price or the closing bid price, whichever is lower for the Common Stock on the Principal Market during any Trading Day in which the Event of Default has not been cured. If such Common Stock is not traded on the OTCBB, OTCQB, NASDAQ or NYSE, then such sale price shall be the sale price of such security on the principal securities exchange or trading market where such security is listed or traded or, if no sale price of such security is available in any of the foregoing manners, the average of the closing bid prices of any market makers for such security that are listed in the "pink sheets" by the National Quotation Bureau, Inc. If such sale price cannot be calculated for such security on such date in the manner provided above, such price shall be the fair market value as mutually determined by the Borrower and the Holder. If the Borrower's Common stock is chilled for deposit at DTC, becomes chilled at any point while this Note remains outstanding or deposit or other additional fees are payable due to a Yield Sign, Stop Sign or other trading restrictions, or if the closing sale price at any time falls below \$0.02 (as appropriately and equitably adjusted for stock splits, stock dividends, stock contributions and similar events), then an additional 15% discount will be attributed to the Conversion Price for any and all Conversions submitted thereafter. Additionally, the Borrower acknowledges that it will take all reasonable steps necessary or appropriate, including providing a board of directors resolution authorizing the issuance of common stock to Holder. So long as the requested sale may be made pursuant to Rule 144, the Company agrees to accept an opinion of counsel to the Holder confirming the rights of the Holder to sell shares of Common Stock issuable or issued to Holder on conversion of this Note pursuant to Rule 144 as promulgated by the SEC ("Rule 144"). "Trading Day" shall mean any day on which the Common Stock is tradable for any period on the OTCQB, or on the principal securities exchange or other securities market on which the Common Stock is then being traded. Additionally, if the Company ceases to be a reporting company pursuant to the 1934 Act or if the Note cannot be converted into free trading shares after 181 days from the issuance date, an additional 15% discount will be attributed to the Conversion Price for any and all Conversions submitted thereafter.

b) If at any time the Conversion Price as determined hereunder for any Conversion would be less than the par value of the Common Stock, then the Conversion Price hereunder shall equal such par value for such Conversion and the Conversion Amount for such Conversion shall be increased to include Additional Principal, where "Additional Principal" means such additional amount to be added to the Conversion Amount to the extent necessary to cause the number of Conversion Shares issuable upon such Conversion to equal the same number of Conversion Shares as would have been issued had the Conversion Price not been subject to the minimum price set forth in this Section 1.2(b).



c) Without in any way limiting the Holder's right to pursue other remedies, including actual damages and/or equitable relief, the parties agree that if delivery of the free trading shares of Common Stock issuable upon conversion of this Note is not delivered by the Deadline (as defined below) the Borrower shall pay to the Holder \$250.00 per day in cash, for each day beyond the Deadline that the Borrower fails to deliver such Common Stock. Such cash amount shall be paid to Holder by the fifth day of the month following the month in which it has accrued or, at the option of the Holder, shall be added to the principal amount of this Note, in which event interest shall accrue thereon in accordance with the terms of this Note and such additional principal amount shall be convertible into Common Stock in accordance with the terms of this Note. The Borrower agrees that the right to convert this Note is a valuable right to the Holder. The damages resulting from a failure, attempt to frustrate, or interference with such conversion right are difficult if not impossible to quantify. Accordingly, the parties acknowledge that the liquidated damages provision contained in this Section are justified.

1.3. Authorized Shares. The Borrower covenants that the Borrower will at all times while this Note is outstanding reserve from its authorized and unissued Common Stock a sufficient number of shares, free from preemptive rights, to provide for the issuance of Common Stock upon the full conversion or adjustment of this Note. The Borrower is required at all times to have authorized and reserved seven (7) times the number of shares that is actually issuable upon full conversion or adjustment of this Note (based on the Conversion Price of the Notes in effect from time to time)(the "Reserved Amount"). Initially, the Company will instruct the Transfer Agent to reserve nineteen million nine hundred and nineteen thousand (19,919,000) shares of common stock in the name of the Holder for issuance upon conversion hereof. The Borrower represents that upon issuance, such shares will be duly and validly issued, fully paid and non-assessable. In addition, if the Borrower shall issue any securities or make any change to its capital structure which would change the number of shares of Common Stock into which this Note shall be convertible at the then current Conversion Price, the Borrower shall at the same time make proper provision so that thereafter there shall be a sufficient number of shares of Common Stock authorized and reserved, free from preemptive rights, for conversion of this Note in full. So long as this Note is outstanding the Borrower shall instruct the Transfer Agent that upon Holder's request it shall furnish to the Holder the then current number of common shares issued and outstanding, the then current number of common shares authorized, the then current number of unrestricted shares, and the then current number of shares reserved for third parties. The Borrower (i) acknowledges that it has irrevocably instructed its transfer agent to issue certificates for the Common Stock issuable upon conversion of this Note, and (ii) agrees that its issuance of this Note shall constitute full authority to its officers and agents who are charged with the duty of executing stock certificates to execute and issue the necessary certificates for shares of Common Stock in accordance with the terms and conditions of this Note.

If, at any time the Borrower does not maintain the Reserved Amount it will be considered an Event of Default under Section 3.2 of the Note.

1.4. Method of Conversion.

a) Mechanics of Conversion. Subject to Section 1.1, this Note may be converted by the Holder in whole or in part at any time and from time to time following the 180<sup>th</sup> day after the Issue Date, by submitting to the Borrower a Notice of Conversion (by facsimile, e-mail or other reasonable means of communication dispatched on the Conversion Date prior to 5:00 p.m., New York, New York time).

b) Book Entry upon Conversion. Notwithstanding anything to the contrary set forth herein, upon conversion of this Note in accordance with the terms hereof, the Holder shall not be required to physically surrender this Note to the Borrower unless the entire unpaid balance of this Note is so converted. The Holder and the Borrower shall maintain records showing the principal amount so converted and the dates of such conversions or shall use such other method, reasonably satisfactory to the Holder and the Borrower, so as not to require physical surrender of this Note upon each such conversion. In the event of any dispute or discrepancy, such records of the Borrower shall, *prima facie*, be controlling and determinative in the absence of manifest error. Notwithstanding the foregoing, if any portion of this Note is converted as aforesaid, the Holder may not transfer this Note unless the Holder first physically surrenders this Note to the Borrower, whereupon the Borrower will forthwith issue and deliver upon the order of the Holder a new Note of like tenor, registered as the Holder (upon payment by the Holder of any applicable transfer taxes) may request, representing in the aggregate the remaining unpaid principal amount of this Note. The Holder and any assignee, by acceptance of this Note, acknowledge and agree that, by reason of the provisions of this paragraph, following conversion of a portion of this Note, the unpaid and unconverted principal amount of this Note represented by this Note may be less than the amount stated on the face hereof.

c) Payment of Taxes. The Borrower shall not be required to pay any tax which may be payable in respect of any transfer involved in the issue and delivery of shares of Common Stock or other securities or property on conversion of this Note in a name other than that of the Holder (or in street name), and the Borrower shall not be required to issue or deliver any such shares or other securities or property unless and until the person or persons (other than the Holder or the custodian in whose street name such shares are to be held for the Holder's account) requesting the issuance thereof shall have paid to the Borrower the amount of any such tax or shall have established to the satisfaction of the Borrower that such tax has been paid.

d) Delivery of Common Stock upon Conversion. Upon receipt by the Borrower from the Holder of a facsimile transmission or e-mail (or other reasonable means of communication) of a Notice of Conversion meeting the requirements for conversion as provided in this Section 1.4, the Borrower shall issue and deliver or cause to be issued and delivered to or upon the order of the Holder certificates for the Common Stock issuable upon such conversion within three (3) business days after such receipt or such an event (the "Deadline") (and, solely in the case of conversion of the entire unpaid principal amount hereof, surrender of this Note) in accordance with the terms hereof and the Purchase Agreement.

e ) Obligation of Borrower to Deliver Common Stock. Upon receipt by the Borrower of a duly and properly executed Notice of Conversion, the Holder shall be deemed to be the holder of record of the Common Stock issuable upon such conversion, the outstanding principal amount and the amount of accrued and unpaid interest on this Note shall be reduced to reflect such conversion or adjustment, and, unless the Borrower defaults on its obligations under this Article I, all rights with respect to the portion of this Note being so converted shall forthwith terminate except the right to receive the Common Stock or other securities, cash or other assets, as herein provided, on such conversion. If the Holder shall have given a Notice of Conversion as provided herein, the Borrower's obligation to issue and deliver the certificates for Common Stock shall be absolute and unconditional, irrespective of the absence of any action by the Holder to enforce the same, any waiver or consent with respect to any provision thereof, the recovery of any judgment against any person or any action to enforce the same, any failure or delay in the enforcement of any other obligation of the Borrower to the holder of record, or any setoff, counterclaim, recoupment, limitation or termination, or any breach or alleged breach by the Holder of any obligation to the Borrower, and irrespective of any other circumstance which might otherwise limit such obligation of the Borrower to the Holder in connection with such conversion. The Conversion Date specified in the Notice of Conversion shall be the Conversion Date so long as the Notice of Conversion is received by the Borrower before 5:00 p.m., New York, New York time, on such date.

f) Delivery of Common Stock by Electronic Transfer. In lieu of delivering physical certificates representing the Common Stock issuable upon conversion, provided the Borrower is participating in the Depository Trust Company ("DTC") Fast Automated Securities Transfer ("FAST") program, upon request of the Holder and its compliance with the provisions contained in Section 1.1 and in this Section 1.4, the Borrower shall use its commercially reasonable best efforts to cause its transfer agent to electronically transmit the Common Stock issuable upon conversion to the Holder by crediting the account of Holder's Prime Broker with DTC through its Deposit Withdrawal At Custodian ("DWAC") system. In the event that the shares of the Borrower's Common Stock are not deliverable via DWAC following the conversion of any amount hereunder, an additional 5% discount will be attributed to the Conversion Price.

g) Failure to Deliver Common Stock Prior to Deadline. Without in any way limiting the Holder's right to pursue other remedies, including actual damages and/or equitable relief, the parties agree that if delivery of the Common Stock issuable upon conversion or adjustment of this Note is not delivered by the Deadline, the Borrower shall pay to the Holder \$1,000.00 per day in cash, for each day beyond the Deadline that the Borrower fails to deliver such Common Stock to the Holder. Such cash amount shall be paid to Holder by the fifth day of the month following the month in which it has accrued or, at the option of the Holder, shall be added to the principal amount of this Note, in which event interest shall accrue thereon in accordance with the terms of this Note and such additional principal amount shall be convertible into Common Stock in accordance with the terms of this Note. The Borrower agrees that the right to convert and/or receive shares in the event of an adjustment is a valuable right to the Holder. The damages resulting from a failure, attempt to frustrate, or interference with such conversion or adjustment right are difficult if not impossible to qualify. Accordingly, the parties acknowledge that the liquidated damages provision contained in this Section 1.4(g) are justified.

h) Rule 144 Opinion. So long as the requested sale may be made pursuant to Rule 144, the Borrower acknowledges that it will take all reasonable steps necessary or appropriate, including accepting an opinion of counsel to Holder confirming the rights of Holder to sell shares of Common Stock issued to Holder on conversion or adjustment of the Note pursuant to Rule 144 as promulgated by the SEC ("Rule 144"), as such Rule may be in effect from time to time. So long as the requested sale may be made pursuant to Rule 144 the Borrower agrees to accept an opinion of counsel to the Holder.

i ) Charges and Expenses. Issuance of Common Stock to Holder, or any of its assignees, upon the conversion of this Note shall be made without charge to the Holder for any issuance fee, transfer tax, legal opinion and related charges, postage/ mailing charge or any other expense with respect to the issuance of such Common Stock. Company shall pay all Transfer Agent fees incurred from the reservation and issuance of the Common Stock to Holder, as well as any and all other fees and charges required by the Transfer Agent as a condition to effectuate such issuance. That notwithstanding, the Holder may in the interest of securing issuance and/or delivery of Common Stock before the Deadline, at any time from time to time, in its sole discretion elect to pay any such fees or charges upfront, and Company agrees that any such fees or charges as noted in this Section that are paid by the Holder (whether from the Company's delays, outright refusal to pay, Holder's interest in securing issuance and/or delivery of Common Stock before the Deadline, or otherwise), will be at Company's expense, and the conversion amount will automatically be reduced by that dollar amount to cover the cost of the fees or charges as noted in this Section.

1.5. Restricted Securities. The shares of Common Stock issuable upon conversion or adjustment of this Note may not be sold or transferred unless (i) such shares are sold pursuant to an effective registration statement under the Act or (ii) the Borrower or its transfer agent shall have been furnished with an opinion of counsel reasonably satisfactory to the Borrower's transfer agent (which opinion shall be in form, substance and scope customary for opinions of counsel in comparable transactions) to the effect that the shares to be sold or transferred may be sold or transferred pursuant to an exemption from such registration or (iii) such shares are sold or transferred pursuant to Rule 144 under the Act (or a successor rule) ("Rule 144") or (iv) such shares are transferred to an "affiliate" (as defined in Rule 144) of the Borrower who agrees to sell or otherwise transfer the shares only in accordance with this Section 1.5 and who is an Accredited Investor (as defined in the Purchase Agreement). Except as otherwise provided in the Purchase Agreement (and subject to the removal provisions set forth below), until such time as the shares of Common Stock issuable upon conversion of this Note have been registered under the Act or otherwise may be sold pursuant to Rule 144 without any restriction as to the number of securities as of a particular date that can then be immediately sold, each certificate for shares of Common Stock issuable upon conversion of this Note that has not been so included in an effective registration statement or that has not been sold pursuant to an effective registration statement or an exemption that permits removal of the legend, shall bear a legend substantially in the following form, as appropriate:

**"NEITHER THE ISSUANCE AND SALE OF THE SECURITIES REPRESENTED BY THIS CERTIFICATE NOR THE SECURITIES INTO WHICH THESE SECURITIES ARE EXERCISABLE HAVE BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED (I) IN THE ABSENCE OF (A) AN EFFECTIVE REGISTRATION STATEMENT FOR THE SECURITIES UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR (B) AN OPINION OF COUNSEL (WHICH COUNSEL SHALL BE SELECTED BY THE HOLDER), IN A GENERALLY ACCEPTABLE FORM, THAT REGISTRATION IS NOT REQUIRED UNDER SAID ACT OR (II) UNLESS SOLD PURSUANT TO RULE 144 OR RULE 144A UNDER SAID ACT. NOTWITHSTANDING THE FOREGOING, THE SECURITIES MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT WITH A REGISTERED BROKER DEALER OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES WITH A FINANCIAL INSTITUTION THAT IS AN "ACCREDITED INVESTOR" AS DEFINED IN RULE 501(a) UNDER THE SECURITIES ACT."**

The legend set forth above shall be removed and the Borrower shall issue to the Holder a new certificate therefore free of any transfer legend if (i) the Borrower or its transfer agent shall have received an opinion of counsel reasonably satisfactory to the Borrower's transfer agent in form, substance and scope customary for opinions of counsel in comparable transactions, to the effect that a public sale or transfer of such Common Stock may be made without registration under the Act, which opinion shall be reasonably acceptable to the Company, or (ii) in the case of the Common Stock issued or issuable upon conversion of this Note, such security is registered for sale by the Holder under an effective registration statement filed under the Act or otherwise may be sold pursuant to Rule 144 without any restriction as to the number of securities as of a particular date that can then be immediately sold.

1.6. Effect of Certain Events.

a) Effect of Merger, Consolidation, Etc. At the option of the Holder, the sale, conveyance or disposition of all or substantially all of the assets of the Borrower, the effectuation by the Borrower of a transaction or series of related transactions in which more than 50% of the voting power of the Borrower is disposed of, or the consolidation, merger or other business combination of the Borrower with or into any other Person (as defined below) or Persons when the Borrower is not the survivor shall either: (i) be deemed to be an Event of Default (as defined in Article III) pursuant to which the Borrower shall be required to pay to the Holder upon the consummation of and as a condition to such transaction an amount equal to the Default Amount (as defined in Article III) or (ii) be treated pursuant to Section 1.6(b) hereof. "Person" shall mean any individual, corporation, limited liability company, partnership, association, trust or other entity or organization.

b) Adjustment Due to Merger, Consolidation, Etc. If, at any time when this Note is issued and outstanding and prior to conversion of all of the Notes, there shall be any merger, consolidation, exchange of shares, recapitalization, reorganization, or other similar event, as a result of which shares of Common Stock of the Borrower shall be changed into the same or a different number of shares of another class or classes of stock or securities of the Borrower or another entity, or in case of any sale or conveyance of all or substantially all of the assets of the Borrower other than in connection with a plan of complete liquidation of the Borrower, then the Holder of this Note shall thereafter have the right to receive upon conversion of this Note, upon the basis and upon the terms and conditions specified herein and in lieu of the shares of Common Stock immediately theretofore issuable upon conversion, such stock, securities or assets which the Holder would have been entitled to receive in such transaction had this Note been converted in full immediately prior to such transaction (without regard to any limitations on conversion set forth herein), and in any such case appropriate provisions shall be made with respect to the rights and interests of the Holder of this Note to the end that the provisions hereof (including, without limitation, provisions for adjustment of the Conversion Price and of the number of shares issuable upon conversion of the Note) shall thereafter be applicable, as nearly as may be practicable in relation to any securities or assets thereafter deliverable upon the conversion hereof. The Borrower shall not affect any transaction described in this Section 1.6(b) unless (a) it first gives, to the extent practicable, thirty (30) days prior written notice (but in any event at least fifteen (15) days prior written notice) of the record date of the special meeting of shareholders to approve, or if there is no such record date, the consummation of, such merger, consolidation, exchange of shares, recapitalization, reorganization or other similar event or sale of assets (during which time, for clarification, the Holder shall be entitled to convert this Note) and (b) the resulting successor or acquiring entity assumes by written instrument the obligations of this Section 1.6(b). The above provisions shall similarly apply to successive consolidations, mergers, sales, transfers or share exchanges.

c) Adjustment Due to Distribution. If the Borrower shall declare or make any distribution of its assets (or rights to acquire its assets) to holders of Common Stock as a dividend, stock repurchase, by way of return of capital or otherwise (including any dividend or distribution to the Borrower's shareholders in cash or shares (or rights to acquire shares) of capital stock of a subsidiary (i.e., a spin-off)) (a "Distribution"), then the Holder of this Note shall be entitled, upon any conversion of this Note after the date of record for determining shareholders entitled to such Distribution, to receive the amount of such assets which would have been payable to the Holder with respect to the shares of Common Stock issuable upon such conversion had such Holder been the holder of such shares of Common Stock on the record date for the determination of shareholders entitled to such Distribution. Such assets shall be held in escrow by the Company pending any such conversion.

(d) Adjustment Due to Dilutive Issuance. If, at any time when any Note is issued and outstanding, the Borrower issues or sells, or in accordance with this Section 1.6(d) hereof is deemed to have issued or sold, except for shares of Common Stock issued directly to vendors or suppliers of the Borrower in satisfaction of amounts owed to such vendors or suppliers (provided, however, that such vendors or suppliers shall not have an arrangement to transfer, sell or assign such shares of Common Stock prior to the issuance of such shares), any shares of Common Stock for no consideration or for a consideration per share (before deduction of reasonable expenses or commissions or underwriting discounts or allowances in connection therewith) less than the Conversion Price in effect on the date of such issuance (or deemed issuance) of such shares of Common Stock (a "Dilutive Issuance"), then immediately upon the Dilutive Issuance, the Conversion Price will be reduced to the amount of the consideration per share received by the Borrower in such Dilutive Issuance.

e) Purchase Rights. If, at any time when any Notes are issued and outstanding, the Borrower issues any convertible securities or rights to purchase stock, warrants, securities or other property (the "Purchase Rights") pro rata to the record holders of any class of Common Stock, then the Holder of this Note will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which such Holder could have acquired if such Holder had held the number of shares of Common Stock acquirable upon complete conversion of this Note (without regard to any limitations on conversion contained herein) immediately before the date on which a record is taken for the grant, issuance or sale of such Purchase Rights or, if no such record is taken, the date as of which the record holders of Common Stock are to be determined for the grant, issue or sale of such Purchase Rights.

f) Stock Dividends and Stock Splits. If the Company, at any time while this Note is outstanding: (A) pays a stock dividend or otherwise makes a distribution or distributions payable in shares of Common Stock on shares of Common Stock or any securities convertible into or exercisable for Common Stock; (B) subdivides outstanding shares of Common Stock into a larger number of shares; (C) combines (including by way of a reverse stock split) outstanding shares of Common Stock into a smaller number of shares; or (D) issues, in the event of a reclassification of shares of the Common Stock, any shares of capital stock of the Company, then the Conversion Price (and each sale or bid price used in determining the Conversion Price) shall be multiplied by a fraction, of which the numerator shall be the number of shares of Common Stock outstanding immediately before such event and of which the denominator shall be the number of shares of Common Stock outstanding immediately after such event. Any adjustment made pursuant to this Section shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution and shall become effective immediately after the effective date in the case of a subdivision, combination or re-classification.

g) Notice of Adjustments. Upon the occurrence of each adjustment or readjustment of the Conversion Price as a result of the events described in this Section 1.6, the Borrower, at its expense, shall promptly compute such adjustment or readjustment and prepare and furnish to the Holder a certificate setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment or readjustment is based. The Borrower shall, upon the written request at any time of the Holder, furnish to such Holder a like certificate setting forth (i) such adjustment or readjustment, (ii) the Conversion Price at the time in effect and (iii) the number of shares of Common Stock and the amount, if any, of other securities or property which at the time would be received upon conversion of the Note.

1.7. Revocation. If any Conversion Shares are not received by the Deadline, the Holder may revoke the applicable Conversion pursuant to which such Conversion Shares were issuable. This Note shall remain convertible after the Maturity Date hereof until this Note is repaid or converted in full.

1.8. Prepayment. Notwithstanding anything to the contrary contained in this Note, subject to the terms of this Section, at any time during the period beginning on the Issue Date and ending on the date which is six (6) months following the Issue Date ("Prepayment Termination Date"), Borrower shall have the right, exercisable on not less than five (5) Trading Days prior written notice to the Holder of this Note, to prepay the outstanding balance on this Note (principal and accrued interest), in full, in accordance with this Section. Any notice of prepayment hereunder (an "Optional Prepayment Notice") shall be delivered to the Holder of the Note at its registered addresses by physical mail, or electronic mail, and shall state: (1) that the Borrower is exercising its right to prepay the Note, and (2) the date of prepayment which shall be not more than fifteen (15) Trading Days from the date of the Optional Prepayment Notice. On the date fixed for prepayment (the "Optional Prepayment Date"), the Borrower shall make payment of the Optional Prepayment Amount (as defined below) to or upon the order of the Holder as specified by the Holder in writing to the Borrower at least one (1) business day prior to the Optional Prepayment Date. If the Borrower exercises its right to prepay the Note, the Borrower shall make payment to the Holder of an amount in cash (the "Optional Prepayment Amount") equal to the Prepayment Factor (as defined below), multiplied by the sum of: (w) the then outstanding principal amount of this Note plus (x) accrued and unpaid interest on the unpaid principal amount of this Note to the Optional Prepayment Date plus (y) Default Interest, if any, on the amounts referred to in clauses (w) and (x) plus (z) any amounts owed to the Holder pursuant to Sections 1.3 and 1.4(g) hereof. If the Borrower delivers an Optional Prepayment Notice and fails to pay the Optional Prepayment Amount due to the Holder of the Note within two (2) business days following the Optional Prepayment Date, the Borrower shall forever forfeit its right to prepay the Note pursuant to this Section. After the Prepayment Termination Date, the Borrower shall have no right to prepay this Note. For purposes hereof, the "Prepayment Factor" shall equal one hundred and forty-five percent (145%), provided that such Prepayment factor shall equal one hundred and thirty percent (130%) if the Optional Prepayment Date occurs on or before the date which is ninety (90) days following the Issue Date hereof.

## ARTICLE II. CERTAIN COVENANTS

2.1. Distributions on Capital Stock. So long as the Borrower shall have any obligation under this Note, the Borrower shall not without the Holder's written consent (a) pay, declare or set apart for such payment, any dividend or other distribution (whether in cash, property or other securities) on shares of capital stock other than dividends on shares of Common Stock solely in the form of additional shares of Common Stock or (b) directly or indirectly or through any subsidiary make any other payment or distribution in respect of its capital stock except for distributions pursuant to any shareholders' rights plan which is approved by a majority of the Borrower's disinterested directors.

2.2. Restriction on Stock Repurchases. So long as the Borrower shall have any obligation under this Note, the Borrower shall not without the Holder's written consent redeem, repurchase or otherwise acquire (whether for cash or in exchange for property or other securities or otherwise) in any one transaction or series of related transactions any shares of capital stock of the Borrower or any warrants, rights or options to purchase or acquire any such shares.

2.3. Borrowings; Liens. Notwithstanding section 4(l) of the Purchase Agreement, so long as the Borrower shall have any obligation under this Note, the Borrower shall not (i) create, incur, assume guarantee, endorse, contingently agree to purchase or otherwise become liable upon the obligation of any person, firm, partnership, joint venture or corporation, except by the endorsement of negotiable instruments for deposit or collection, or suffer to exist any liability for borrowed money, except (a) borrowings in existence or committed on the date hereof and of which the Borrower has informed Holder in writing prior to the date hereof (as listed on Exhibit B attached hereto), or (b) indebtedness to trade creditors or financial institutions incurred in the ordinary course of business, or (c) borrowings, the proceeds of which shall be used to prepay this Note or (ii) enter into, create or incur any liens, claims or encumbrances of any kind, on or with respect to any of its property or assets now owned or hereafter acquired or any interest therein or any income or profits therefrom, securing any indebtedness occurring after the date hereof.

2.4. Sale of Assets. So long as the Borrower shall have any obligation under this Note, the Borrower shall not, without the Holder's written consent, sell, lease or otherwise dispose of any significant portion of its assets outside the ordinary course of business with the exception of the transactions listed on Exhibit C attached hereto. Any consent to the disposition of any assets may be conditioned on a specified use of the proceeds of disposition.

2.5. Advances and Loans. So long as the Borrower shall have any obligation under this Note, the Borrower shall not, without the Holder's written consent, lend money, give credit or make advances to any person, firm, joint venture or corporation, including, without limitation, officers, directors, employees, subsidiaries and affiliates of the Borrower, except loans, credits or advances in existence or committed on the date hereof and which the Borrower has informed Holder in writing prior to the date hereof.

2.6. Charter. So long as the Borrower shall have any obligations under this Note, the Borrower shall not amend its charter documents, including without limitation its certificate of incorporation and bylaws, in any manner that materially and adversely affects any rights of the Holder.



2.7. Transfer Agent. The Borrower shall not change its transfer agent without the prior written consent of the Holder. Any resignation by the transfer agent without a replacement transfer agent consented to by the Holder prior to such replacement taking effect shall constitute an Event of Default hereunder.

2.8. 3(a)(10) Transaction. So long as this Note is outstanding, the Borrower shall not enter into any transaction or arrangement structured in accordance with, based upon, or related or pursuant to, in whole or in part, Section 3(a)(10) of the Securities Act (a "3(a)(10) Transaction"). In the event that the Borrower does enter into, or makes any issuance of Common Stock related to a 3(a)(10) Transaction while this Note is outstanding, a liquidated damages charge of 25% of the outstanding principal balance of this Note, but not less than Fifteen Thousand Dollars \$15,000, will be assessed and will become immediately due and payable to the Holder at its election in the form of cash payment or addition to the balance of this Note.

#### ARTICLE III. EVENTS OF DEFAULT

Any one or more of the following events which shall occur and/or be continuing shall constitute an event of default (each, an "Event of Default"):

3.1. Failure to Pay Principal or Interest. The Borrower fails to pay the principal hereof or interest thereon when due on this Note, whether at maturity, upon acceleration or otherwise.

3.2. Conversion and the Shares. The Borrower fails to issue shares of Common Stock to the Holder (or announces or threatens in writing that it will not honor its obligation to do so at any time following the execution hereof or) upon exercise by the Holder of the conversion rights of the Holder in accordance with the terms of this Note, fails to transfer or cause its transfer agent to transfer (issue) (electronically or in certificated form) any certificate for shares of Common Stock issued to the Holder upon conversion of or otherwise pursuant to this Note as and when required by this Note, the Borrower directs its transfer agent not to transfer or delays, impairs, and/or hinders its transfer agent in transferring (or issuing) (electronically or in certificated form) any certificate for shares of Common Stock to be issued to the Holder upon conversion of or otherwise pursuant to this Note as and when required by this Note, or fails to remove (or directs its transfer agent not to remove or impairs, delays, and/or hinders its transfer agent from removing) any restrictive legend (or to withdraw any stop transfer instructions in respect thereof) on any certificate for any shares of Common Stock issued to the Holder upon conversion of or otherwise pursuant to this Note as and when required by this Note (or makes any written announcement, statement or threat that it does not intend to honor the obligations described in this paragraph) and any such failure shall continue uncured (or any written announcement, statement or threat not to honor its obligations shall not be rescinded in writing) for five (5) business days after the Holder shall have delivered a Notice of Conversion. It is an obligation of the Borrower to remain current in its obligations to its transfer agent. It shall be an event of default of this Note, if a conversion of this Note is delayed, hindered or frustrated due to a balance owed by the Borrower to its transfer agent. If at the option of the Holder, the Holder advances any funds to the Borrower's transfer agent in order to process a conversion, such advanced funds shall be paid by the Borrower to the Holder within forty eight (48) hours of a demand from the Holder.

3.3. Breach of Covenants. The Borrower breaches any material covenant or other material term or condition contained in this Note and any collateral documents including but not limited to the Purchase Agreement and such breach continues for a period of ten (10) days after written notice (via email) thereof to the Borrower from the Holder.

3.4. Breach of Representations and Warranties. Any representation or warranty of the Borrower made herein or in any agreement, statement, certificate, or any other document given in writing pursuant hereto or in connection herewith (including, without limitation, the Purchase Agreement, and/or the due diligence questionnaire provided by the Borrower to the Holder on or around the Issue Date), shall be false or misleading in any material respect when made and/ or the breach of which has (or with the passage of time will have) a material adverse effect on the rights of the Holder with respect to this Note or the Purchase Agreement.

3.5. Receiver or Trustee. The Borrower or any subsidiary of the Borrower shall make an assignment for the benefit of creditors, or apply for or consent to the appointment of a receiver or trustee for it or for a substantial part of its property or business, or such a receiver or trustee shall otherwise be appointed.

3.6. Judgments. Any money judgment, writ or similar process shall be entered or filed against the Borrower or any subsidiary of the Borrower or any of its property or other assets for more than \$50,000.00, and shall remain unvacated, unbonded or unstayed for a period of twenty (20) days unless otherwise consented to by the Holder, which consent will not be unreasonably withheld.

3.7. Bankruptcy. Bankruptcy, insolvency, reorganization or liquidation proceedings or other proceedings, voluntary or involuntary, for relief under any bankruptcy law or any law for the relief of debtors shall be instituted by or against the Borrower or any subsidiary of the Borrower.

3.8. Delisting of Common Stock. The Borrower shall fail to maintain the listing of the Common Stock on at least one of the OTCBB, or OTCQB, or an equivalent replacement exchange, NASDAQ, the NYSE or AMEX.

3.9. Failure to Comply with the Exchange Act. The Borrower shall fail to comply in any material respect with the reporting requirements of the Exchange Act; and/or the Borrower shall cease to be subject to the reporting requirements of the Exchange Act.

3.10. Liquidation. Any dissolution, liquidation, or winding up of Borrower or any substantial portion of its business.

3.11. Cessation of Operations. Any cessation of operations by Borrower or Borrower admits it is otherwise generally unable to pay its debts as such debts become due, provided, however, that any disclosure of the Borrower's ability to continue as a "going concern" shall not be an admission that the Borrower cannot pay its debts as they become due.

3.12. Maintenance of Assets. The failure by Borrower, during the term of this Note, to maintain any material intellectual property rights, personal, real property or other assets which are necessary to conduct its business (whether now or in the future).

3.13. Financial Statement Restatement. The restatement of any financial statements filed by the Borrower with the SEC for any date or period from two years prior to the Issue Date of this Note and until this Note is no longer outstanding, if the result of such restatement would, by comparison to the unrestated financial statement, have constituted a material adverse effect on the rights of the Holder with respect to this Note or the Purchase Agreement.

3.14. Reverse Splits. The Borrower effectuates a reverse split of its Common Stock without twenty (20) days prior written notice to the Holder.

3.15. Replacement of Transfer Agent. In the event that the Borrower proposes to replace its transfer agent, the Borrower fails to provide, prior to the effective date of such replacement, a fully executed Irrevocable Transfer Agent Instructions in a form as initially delivered pursuant to the Purchase Agreement (including but not limited to the provision to irrevocably reserve shares of Common Stock in the Reserved Amount) signed by the successor transfer agent to Borrower and the Borrower.

3.16. Cross-Default. Notwithstanding anything to the contrary contained in this Note or the other related or companion documents, a breach or default by the Borrower of any covenant or other term or condition contained in any of the Other Agreements, after the passage of all applicable notice and cure or grace periods, shall, at the option of the Holder, be considered a default under this Note and the Other Agreements, in which event the Holder shall be entitled (but in no event required) to apply all rights and remedies of the Holder under the terms of this Note and the Other Agreements by reason of a default under said Other Agreement or hereunder. "Other Agreements" means, collectively, all agreements and instruments between, among or by: (1) the Borrower, and, or for the benefit of, (2) the Holder and any affiliate of the Holder, including, without limitation, promissory notes; provided, however, the term "Other Agreements" shall not include the related or companion documents to this Note. Each of the loan transactions will be cross-defaulted with each other loan transaction and with all other existing and future debt of Borrower to the Holder.

3.17. Inside Information. The Borrower or its officers, directors, and/or affiliates attempt to transmit, convey, disclose, or any actual transmittal, conveyance, or disclosure by the Borrower or its officers, directors, and/or affiliates of, material non-public information concerning the Borrower, to the Holder or its successors and assigns, which is not immediately cured by Borrower's filing of a Form 8-K pursuant to Regulation FD on that same date.

3.18. Bid Price. The Borrower shall lose the "bid" price for its Common Stock (\$0.0001 on the "Ask" with zero market makers on the "Bid" per Level 2) and/or a market (including the OTCQB or an equivalent replacement exchange).

3.19. Market Loss. If at any time while this Note is outstanding the Borrower's Common Stock trades below \$0.01, the principal amount of the Note shall automatically and without further action increase by twenty-five thousand dollars (\$25,000.00), and at the sole option of the Holder, the Company shall within fifteen (15) calendars days from Holder's direction to so, obtain the necessary shareholder and board of director approvals (if applicable), and file the requisite documents with FINRA, to effectuate a reverse split.

3.20. Subsequent Placements. The Borrower or any of its Subsidiaries, at any time commencing on the date hereof and ending 90 calendar days after the date hereof, effects any Subsequent Placement (as defined in the Purchase Agreement) without the prior written consent of the Holder; provided however, that a transaction whose proceeds are used to prepay the Note in accordance with the provisions of Section 1.8 hereby shall not be considered an Event of Default under this Section 3.20.

Upon the occurrence and during the continuation of any Event of Default specified in Article III of the Note exercisable through the delivery of written notice to the Borrower by such Holders (the "Default Notice"), the Note shall become immediately due and payable and the Borrower shall pay to the Holder, in full satisfaction of its obligations hereunder, an amount equal to the greater of (i) 150% (EXCEPT THAT 150% SHALL BE REPLACED WITH 200% WITH RESPECT TO BREACH OF SECTION 3.2) times the sum of (w) the then outstanding principal amount of this Note plus (x) accrued and unpaid interest on the unpaid principal amount of this Note to the date of payment (the "Mandatory Repayment Date") plus (y) Default Interest, if any, on the amounts referred to in clauses (w) and/or (x) plus (z) any amounts owed to the Holder pursuant to Section 1.4(g) hereof (the then outstanding principal amount of this Note to the date of payment plus the amounts referred to in clauses (x), (y) and (z) shall collectively be known as the "Default Sum") or (ii) the "parity value" of the Default Sum to be prepaid, where parity value means (a) the highest number of shares of Common Stock issuable upon conversion of or otherwise pursuant to such Default Sum in accordance with Article I, treating the Trading Day immediately preceding the Mandatory Repayment Date as the "Conversion Date" for purposes of determining the lowest applicable Conversion Price, unless the Default Event arises as a result of a breach in respect of a specific Conversion Date in which case such Conversion Date shall be the Conversion Date), multiplied by (b) the highest Closing Price for the Common Stock during the period beginning on the date of first occurrence of the Event of Default and ending one day prior to the Mandatory Repayment Date (the "Default Amount") and all other amounts payable hereunder shall immediately become due and payable, all without demand, presentment or notice, all of which hereby are expressly waived, together with all costs, including, without limitation, legal fees and expenses, of collection, and the Holder shall be entitled to exercise all other rights and remedies available at law or in equity.

If the Borrower fails to pay the Default Amount within five (5) business days of written notice that such amount is due and payable, then the Holder shall have the right at any time, so long as the Borrower remains in default (and so long and to the extent that there are sufficient authorized shares), to require the Borrower, upon written notice, to immediately issue, in lieu of the Default Amount, the number of shares of Common Stock of the Borrower equal to the Default Amount divided by the Conversion Price then in effect. The Holder may still convert any amounts due hereunder, including without limitation the Default Sum, until such time as this Note has been repaid in full.

#### ARTICLE IV. MISCELLANEOUS

4.1. Failure or Indulgence Not Waiver. No failure or delay on the part of the Holder in the exercise of any power, right or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any such power, right or privilege preclude other or further exercise thereof or of any other right, power or privileges. All rights and remedies existing hereunder are cumulative to, and not exclusive of, any rights or remedies otherwise available.

4.2. Notices. All notices, demands, requests, consents, approvals, and other communications required or permitted hereunder shall be in writing and, unless otherwise specified herein, shall be (i) personally served, (ii) deposited in the mail, registered or certified, return receipt requested, postage prepaid, (iii) delivered by reputable air courier service with charges prepaid, or (iv) transmitted by hand delivery, telegram, email or facsimile, addressed as set forth below or to such other address as such party shall have specified most recently by written notice. Any notice or other communication required or permitted to be given hereunder shall be deemed effective (a) upon hand delivery or delivery by facsimile or email, with accurate confirmation generated by the transmitting facsimile machine or computer, at the address, email or number designated in the Purchase Agreement (if delivered on a business day during normal business hours where such notice is to be received), or the first business day following such delivery (if delivered other than on a business day during normal business hours where such notice is to be received) or (b) on the second business day following the date of mailing by express courier service, fully prepaid, addressed to such address, or upon actual receipt of such mailing, whichever shall first occur.

4.3. Amendments. This Note and any provision hereof may only be amended by an instrument in writing signed by the Borrower and the Holder. The term "Note" and all reference thereto, as used throughout this instrument, shall mean this instrument (and the other Notes issued pursuant to the Purchase Agreement) as originally executed, or if later amended or supplemented, then as so amended or supplemented.

4.4. Assignability. This Note shall be binding upon the Borrower and its successors and assigns, and shall inure to be the benefit of the Holder and its successors and assigns. Each transferee of this Note must be an "accredited investor" (as defined in Rule 501(a) of the 1933 Act). Notwithstanding anything in this Note to the contrary, this Note may be pledged as collateral in connection with a bona fide margin account with a registered broker dealer or other lending arrangement with a financial institution that is an "accredited investor" as defined in Rule 501(a) under the Securities Act.

4.5. Cost of Collection. If default is made in the payment of this Note, the Borrower shall pay the Holder hereof costs of collection, including reasonable attorneys' fees.

4.6. Governing Law. This Note shall be governed by and construed in accordance with the laws of the State of Delaware without regard to conflicts of laws principles that would result in the application of the substantive laws of another jurisdiction. Any action brought by either party against the other concerning the transactions contemplated by this Agreement must be brought only in the civil or state courts of New York or in the federal courts located in the State and county of New York. Both parties and the individual signing this Agreement on behalf of the Borrower agree to submit to the jurisdiction of such courts. The prevailing party shall be entitled to recover from the other party its reasonable attorney's fees and costs. In the event that any provision of this Note is invalid or unenforceable under any applicable statute or rule of law, then such provision shall be deemed inoperative to the extent that it may conflict therewith and shall be deemed modified to conform with such statute or rule of law. Any such provision which may prove invalid or unenforceable under any law shall not affect the validity or unenforceability of any other provision of this Note. Nothing contained herein shall be deemed or operate to preclude the Holder from bringing suit or taking other legal action against the Borrower in any other jurisdiction to collect on the Borrower's obligations to Holder, to realize on any collateral or any other security for such obligations, or to enforce a judgment or other decision in favor of the Holder. **This Note shall be deemed an unconditional obligation of Borrower for the payment of money and, without limitation to any other remedies of Holder, may be enforced against Borrower by summary proceeding pursuant to New York Civil Procedure Law and Rules Section 3213 or any similar rule or statute in the jurisdiction where enforcement is sought. For purposes of such rule or statute, any other document or agreement to which Holder and Borrower are parties or which Borrower delivered to Holder, which may be convenient or necessary to determine Holder's rights hereunder or Borrower's obligations to Holder are deemed a part of this Note, whether or not such other document or agreement was delivered together herewith or was executed apart from this Note.**

4.7. Certain Amounts. Whenever pursuant to this Note the Borrower is required to pay an amount in excess of the outstanding principal amount (or the portion thereof required to be paid at that time) plus accrued and unpaid interest plus Default Interest on such interest, the Borrower and the Holder agree that the actual damages to the Holder from the receipt of cash payment on this Note may be difficult to determine and the amount to be so paid by the Borrower represents stipulated damages and not a penalty and is intended to compensate the Holder in part for loss of the opportunity to convert this Note and to earn a return from the sale of shares of Common Stock acquired upon conversion of this Note at a price in excess of the price paid for such shares pursuant to this Note. The Borrower and the Holder hereby agree that such amount of stipulated damages is not plainly disproportionate to the possible loss to the Holder from the receipt of a cash payment without the opportunity to convert this Note into shares of Common Stock.

4.8. Disclosure. Upon receipt or delivery by the Company of any notice in accordance with the terms of this Note, unless the Company has in good faith determined that the matters relating to such notice do not constitute material, non-public information relating to the Company or any of its Subsidiaries, the Company shall within four (4) Trading Days after any such receipt or delivery, publicly disclose such material, non-public information on a Current Report on Form 8-K or otherwise. In the event that the Company believes that a notice contains material, non-public information relating to the Company or any of its Subsidiaries, the Company so shall indicate to such Holder contemporaneously with delivery of such notice, and in the absence of any such indication, the Holder shall be allowed to presume that all matters relating to such notice do not constitute material, non-public information relating to the Company or its Subsidiaries.

4.9. Notice of Corporate Events. Except as otherwise provided below, the Holder of this Note shall have no rights as a Holder of Common Stock unless and only to the extent that it converts this Note into Common Stock. The Borrower shall provide the Holder with prior notification of any meeting of the Borrower's shareholders (and copies of proxy materials and other information sent to shareholders). In the event of any taking by the Borrower of a record of its shareholders for the purpose of determining shareholders who are entitled to receive payment of any dividend or other distribution, any right to subscribe for, purchase or otherwise acquire (including by way of merger, consolidation, reclassification or recapitalization) any share of any class or any other securities or property, or to receive any other right, or for the purpose of determining shareholders who are entitled to vote in connection with any proposed sale, lease or conveyance of all or substantially all of the assets of the Borrower or any proposed liquidation, dissolution or winding up of the Borrower, the Borrower shall mail a notice to the Holder, at least twenty (20) days prior to the record date specified therein (or thirty (30) days prior to the consummation of the transaction or event, whichever is earlier), of the date on which any such record is to be taken for the purpose of such dividend, distribution, right or other event, and a brief statement regarding the amount and character of such dividend, distribution, right or other event to the extent known at such time. The Borrower shall make a public announcement of any event requiring notification to the Holder hereunder substantially simultaneously with the notification to the Holder in accordance with the terms of this Section 4.9.

4.10. Remedies. The Borrower acknowledges that a breach by it of its obligations hereunder will cause irreparable harm to the Holder, by vitiating the intent and purpose of the transaction contemplated hereby. Accordingly, the Borrower acknowledges that the remedy at law for a breach of its obligations under this Note will be inadequate and agrees, in the event of a breach or threatened breach by the Borrower of the provisions of this Note, that the Holder shall be entitled, in addition to all other available remedies at law or in equity, and in addition to the penalties assessable herein, to an injunction or injunctions restraining, preventing or curing any breach of this Note and to enforce specifically the terms and provisions thereof, without the necessity of showing economic loss and without any bond or other security being required.

4.11. Usury. This Note shall be subject to the anti-usury limitations contained in the Purchase Agreement.

(Remainder of Page intentionally left blank)

IN WITNESS WHEREOF, Borrower has caused this Note to be signed in its name by its duly authorized officer as of the Issue Date first set forth above.

**NUO THERAPEUTICS, INC.**

By: /s/ David E. Jordan  
Name: David E. Jordan  
Title: CEO



NEITHER THIS SECURITY NOR THE SECURITIES AS TO WHICH THIS SECURITY MAY BE EXERCISED HAVE BEEN REGISTERED WITH THE SECURITIES AND EXCHANGE COMMISSION OR THE SECURITIES COMMISSION OF ANY STATE IN RELIANCE UPON AN EXEMPTION FROM REGISTRATION UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), AND, ACCORDINGLY, MAY NOT BE OFFERED OR SOLD EXCEPT PURSUANT TO AN EFFECTIVE REGISTRATION STATEMENT UNDER THE SECURITIES ACT OR PURSUANT TO AN AVAILABLE EXEMPTION FROM, OR IN A TRANSACTION NOT SUBJECT TO, THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT AND IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS AS EVIDENCED BY A LEGAL OPINION OF COUNSEL TO THE TRANSFEROR TO SUCH EFFECT, THE SUBSTANCE OF WHICH SHALL BE REASONABLY ACCEPTABLE TO THE COMPANY. THIS SECURITY AND THE SECURITIES ISSUABLE UPON EXERCISE OF THIS SECURITY MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT WITH A REGISTERED BROKER DEALER OR OTHER LOAN SECURED BY SUCH SECURITIES WITH A FINANCIAL INSTITUTION THAT IS AN "ACCREDITED INVESTOR" AS DEFINED IN RULE 501(a) UNDER THE SECURITIES ACT.

## COMMON STOCK PURCHASE WARRANT

### NUO THERAPEUTICS, INC.

Warrant Shares: 233,333

Date of Issuance: September 17, 2018 ("Issuance Date")

This COMMON STOCK PURCHASE WARRANT (the "Warrant") certifies that, for value received (in connection with the issuance of the \$175,000.00 convertible promissory note to the Holder (as defined below) of even date) (the "Note"), [ ], a Delaware limited liability company (including any permitted and registered assigns, the "Holder"), is entitled, upon the terms and subject to the limitations on exercise and the conditions hereinafter set forth, at any time on or after the date of issuance hereof, to purchase from Nuo Therapeutics, Inc., a Delaware corporation (the "Company"), up to 233,333 shares of Common Stock (as defined below) (the "Warrant Shares") (whereby such number may be adjusted from time to time pursuant to the terms and conditions of this Warrant) at the Exercise Price per share then in effect. This Warrant is issued by the Company as of the date hereof in connection with that certain securities purchase agreement dated September 17, 2018, by and among the Company and the Holder (the "Purchase Agreement").

Capitalized terms used in this Warrant shall have the meanings set forth in the Purchase Agreement unless otherwise defined in the body of this Warrant or in Section 13 below. For purposes of this Warrant, the term "Exercise Price" shall mean \$0.15, subject to adjustment as provided herein (including but not limited to cashless exercise), and the term "Exercise Period" shall mean the period commencing on the Issuance Date and ending on 5:00 p.m. eastern standard time on the five-year anniversary thereof.

#### 1. EXERCISE OF WARRANT.

(a) *Mechanics of Exercise.* Subject to the terms and conditions hereof, the rights represented by this Warrant may be exercised in whole or in part at any time or times during the Exercise Period by delivery of a written notice, in the form attached hereto as Exhibit A (the "Exercise Notice"), of the Holder's election to exercise this Warrant. The Holder shall not be required to deliver the original Warrant in order to effect an exercise hereunder. Partial exercises of this Warrant resulting in purchases of a portion of the total number of Warrant Shares available hereunder shall have the effect of lowering the outstanding number of Warrant Shares purchasable hereunder in an amount equal to the applicable number of Warrant Shares purchased. On or before the third Trading Day (the "Warrant Share Delivery Date") following the date on which the Company shall have received the Exercise Notice, and upon receipt by the Company of payment to the Company of an amount equal to the applicable Exercise Price multiplied by the number of Warrant Shares as to which all or a portion of this Warrant is being exercised (the "Aggregate Exercise Price" and together with the Exercise Notice, the "Exercise Delivery Documents") in cash or by wire transfer of immediately available funds (or by cashless exercise, in which case there shall be no Aggregate Exercise Price provided), the Company shall (or direct its transfer agent to) issue and dispatch by overnight courier to the address as specified in the Exercise Notice, a certificate, registered in the Company's share register in the name of the Holder or its designee, for the number of shares of Common Stock to which the Holder is entitled pursuant to such exercise. Upon delivery of the Exercise Delivery Documents, the Holder shall be deemed for all corporate purposes to have become the holder of record of the Warrant Shares with respect to which this Warrant has been exercised, irrespective of the date of delivery of the certificates evidencing such Warrant Shares. If this Warrant is submitted in connection with any exercise and the number of Warrant Shares represented by this Warrant submitted for exercise is greater than the number of Warrant Shares being acquired upon an exercise, then the Company shall as soon as practicable and in no event later than three Business Days after any exercise and at its own expense, issue a new Warrant (in accordance with Section 6) representing the right to purchase the number of Warrant Shares purchasable immediately prior to such exercise under this Warrant, less the number of Warrant Shares with respect to which this Warrant is exercised.

If the Company fails to cause its transfer agent to transmit to the Holder the respective shares of Common Stock by the respective Warrant Share Delivery Date, then the Holder will have the right to rescind such exercise in Holder's sole discretion, and such failure shall be deemed an event of default under the Note.

In the absence of an effective registration statement registering the resale of the Warrant Shares of the Holder, if the Market Price of one share of Common Stock is greater than the Exercise Price, the Holder may elect to receive Warrant Shares pursuant to a cashless exercise, in lieu of a cash exercise, equal to the value of this Warrant determined in the manner described below (or of any portion thereof remaining unexercised) by surrender of this Warrant and a Notice of Exercise, in which event the Company shall issue to Holder a number of Common Stock computed using the following formula:

$$X = \frac{Y(A-B)}{A}$$

A

Where X = the number of Shares to be issued to Holder.

Y = the number of Warrant Shares that the Holder elects to purchase under this Warrant (at the date of such calculation).

A = the Market Price (at the date of such calculation).

B = Exercise Price (as adjusted to the date of such calculation).

( b ) *No Fractional Shares*. No fractional shares shall be issued upon the exercise of this Warrant as a consequence of any adjustment pursuant hereto. All Warrant Shares (including fractions) issuable upon exercise of this Warrant may be aggregated for purposes of determining whether the exercise would result in the issuance of any fractional share. If, after aggregation, the exercise would result in the issuance of a fractional share, the Company shall, in lieu of issuance of any fractional share, pay the Holder otherwise entitled to such fraction a sum in cash equal to the product resulting from multiplying the then-current fair market value of a Warrant Share by such fraction or, at the Company's option, round up to the nearest whole share the number of Warrant Shares to be issued.

(c) *Holder's Exercise Limitations.* The Company shall not effect any exercise of this Warrant, and a Holder shall not have the right to exercise any portion of this Warrant, to the extent that after giving effect to issuance of Warrant Shares upon exercise as set forth on the applicable Notice of Exercise, the Holder (together with the Holder's Affiliates, and any other persons acting as a group together with the Holder or any of the Holder's Affiliates), would beneficially own in excess of the Beneficial Ownership Limitation, as defined below. For purposes of the foregoing sentence, the number of shares of Common Stock beneficially owned by the Holder and its Affiliates shall include the number of shares of Common Stock issuable upon exercise of this Warrant with respect to which such determination is being made, but shall exclude the number of shares of Common Stock which would be issuable upon (i) exercise of the remaining, non-exercised portion of this Warrant beneficially owned by the Holder or any of its Affiliates and (ii) exercise or conversion of the unexercised or non-converted portion of any other securities of the Company (including without limitation any other Common Stock Equivalents) subject to a limitation on conversion or exercise analogous to the limitation contained herein beneficially owned by the Holder or any of its Affiliates. Except as set forth in the preceding sentence, for purposes of this paragraph (d), beneficial ownership shall be calculated in accordance with Section 13(d) of the Exchange Act, it being acknowledged by the Holder that the Company is not representing to the Holder that such calculation is in compliance with Section 13(d) of the Exchange Act and the Holder is solely responsible for any schedules required to be filed in accordance therewith. To the extent that the limitation contained in this paragraph applies, the determination of whether this Warrant is exercisable (in relation to other securities owned by the Holder together with any affiliates) and of which portion of this Warrant is exercisable shall be in the sole discretion of the Holder, and the submission of a Notice of Exercise shall be deemed to be the Holder's determination of whether this Warrant is exercisable (in relation to other securities owned by the Holder together with any Affiliates) and of which portion of this Warrant is exercisable, in each case subject to the Beneficial Ownership Limitation, and the Company shall have no obligation to verify or confirm the accuracy of such determination.

For purposes of this paragraph, in determining the number of outstanding shares of Common Stock, a Holder may rely on the number of outstanding shares of Common Stock as reflected in (A) the Company's most recent periodic or annual report filed with the Commission, as the case may be, (B) a more recent public announcement by the Company or (C) a more recent written notice by the Company or its transfer agent setting forth the number of shares of Common Stock outstanding. Upon the request of a Holder, the Company shall within two Trading Days confirm to the Holder the number of shares of Common Stock then outstanding. In any case, the number of outstanding shares of Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including this Warrant, by the Holder or its affiliates since the date as of which such number of outstanding shares of Common Stock was reported. The "Beneficial Ownership Limitation" shall be 4.99% of the number of shares of the Common Stock outstanding immediately after giving effect to the issuance of shares of Common Stock issuable upon exercise of this Warrant. The limitations contained in this paragraph shall apply to a successor Holder of this Warrant.

2. ADJUSTMENTS. The Exercise Price and the number of Warrant Shares shall be adjusted from time to time as follows:

(a) *Distribution of Assets.* If the Company shall declare or make any dividend or other distribution of its assets (or rights to acquire its assets) to holders of shares of Common Stock, by way of return of capital or otherwise (including without limitation any distribution of cash, stock or other securities, property or options by way of a dividend, spin off, reclassification, corporate rearrangement or other similar transaction, but not including a reverse split with respect to the Common Stock) (a "Distribution"), at any time after the issuance of this Warrant, then, in each such case:

(i) any Exercise Price in effect immediately prior to the close of business on the record date fixed for the determination of holders of shares of Common Stock entitled to receive the Distribution shall be reduced, effective as of the close of business on such record date, to a price determined by multiplying such Exercise Price by a fraction (i) the numerator of which shall be the Closing Sale Price of the shares of Common Stock on the Trading Day immediately preceding such record date minus the value of the Distribution (as determined in good faith by the Company's Board of Directors) applicable to one share of Common Stock, and (ii) the denominator of which shall be the Closing Sale Price of the shares of Common Stock on the Trading Day immediately preceding such record date; and

(ii) the number of Warrant Shares shall be increased to a number of shares equal to the number of shares of Common Stock obtainable immediately prior to the close of business on the record date fixed for the determination of holders of shares of Common Stock entitled to receive the Distribution multiplied by the reciprocal of the fraction set forth in the immediately preceding clause (i); provided, however, that in the event that the Distribution is of shares of common stock of a company (other than the Company) whose common stock is traded on a national securities exchange or a national automated quotation system ("Other Shares of Common Stock"), then the Holder may elect to receive a warrant to purchase Other Shares of Common Stock in lieu of an increase in the number of Warrant Shares, the terms of which shall be identical to those of this Warrant, except that such warrant shall be exercisable into the number of shares of Other Shares of Common Stock that would have been payable to the Holder pursuant to the Distribution had the Holder exercised this Warrant immediately prior to such record date and with an aggregate exercise price equal to the product of the amount by which the exercise price of this Warrant was decreased with respect to the Distribution pursuant to the terms of the immediately preceding clause (i) and the number of Warrant Shares calculated in accordance with the first part of this clause (ii).

(b) *Anti-Dilution Adjustments to Exercise Price.* If the Company or any Subsidiary thereof, as applicable, at any time while this Warrant is outstanding, shall sell or grant, without the Holder's consent, any option to purchase, or sell or grant any right to reprice, or otherwise dispose of or issue (or announce any offer, sale, grant or any option to purchase or other disposition) any Common Stock or securities entitling any person or entity to acquire shares of Common Stock (upon conversion, exercise or otherwise) (including but not limited to under the Note), at an effective price per share less than the then Exercise Price (such lower price, the "Base Share Price" and such issuances collectively, a "Dilutive Issuance"), then the Exercise Price shall be reduced at the option of the Holder and only reduced to equal the Base Share Price, and the number of Warrant Shares issuable hereunder shall be increased such that the aggregate Exercise Price payable hereunder, after taking into account the decrease in the Exercise Price, shall be equal to the aggregate Exercise Price prior to such adjustment. Such adjustment shall be made whenever such Common Stock or Common Stock Equivalents are issued. The Company shall notify the Holder in writing, no later than the Trading Day following the issuance of any Common Stock or Common Stock Equivalents subject to this Section 2(b), indicating therein the applicable issuance price, or applicable reset price, exchange price, conversion price and other pricing terms (such notice the "Dilutive Issuance Notice"). For purposes of clarification, whether or not the Company provides a Dilutive Issuance Notice pursuant to this Section 2(b), upon the occurrence of any Dilutive Issuance, after the date of such Dilutive Issuance the Holder is entitled to receive a number of Warrant Shares based upon the Base Share Price regardless of whether the Holder accurately refers to the Base Share Price in the Notice of Exercise. Notwithstanding anything to the contrary in this Section 2(b), no adjustment will be made under this Section 2(b) with respect to an Exempt Issuance.

3. FUNDAMENTAL TRANSACTIONS. If, at any time while this Warrant is outstanding, (i) the Company effects any merger of the Company with or into another entity and the Company is not the surviving entity (such surviving entity, the "Successor Entity"), (ii) the Company effects any sale of all or substantially all of its assets in one or a series of related transactions, (iii) any tender offer or exchange offer (whether by the Company or by another individual or entity, and approved by the Company) is completed pursuant to which holders of Common Stock are permitted to tender or exchange their shares of Common Stock for other securities, cash or property and the holders of at least 50% of the Common Stock accept such offer, or (iv) the Company effects any reclassification of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property (other than as a result of a subdivision or combination of shares of Common Stock) (in any such case, a "Fundamental Transaction"), then, upon any subsequent exercise of this Warrant, the Holder shall have the right to receive the number of shares of Common Stock of the Successor Entity or of the Company and any additional consideration (the "Alternate Consideration") receivable upon or as a result of such reorganization, reclassification, merger, consolidation or disposition of assets by a holder of the number of shares of Common Stock for which this Warrant is exercisable immediately prior to such event (disregarding any limitation on exercise contained herein solely for the purpose of such determination). For purposes of any such exercise, the determination of the Exercise Price shall be appropriately adjusted to apply to such Alternate Consideration based on the amount of Alternate Consideration issuable in respect of one share of Common Stock in such Fundamental Transaction, and the Company shall apportion the Exercise Price among the Alternate Consideration in a reasonable manner reflecting the relative value of any different components of the Alternate Consideration. If holders of Common Stock are given any choice as to the securities, cash or property to be received in a Fundamental Transaction, then the Holder shall be given the same choice as to the Alternate Consideration it receives upon any exercise of this Warrant following such Fundamental Transaction. To the extent necessary to effectuate the foregoing provisions, any Successor Entity in such Fundamental Transaction shall issue to the Holder a new warrant consistent with the foregoing provisions and evidencing the Holder's right to exercise such warrant into Alternate Consideration.

4. NON-CIRCUMVENTION. The Company covenants and agrees that it will not, by amendment of its certificate of incorporation, bylaws or through any reorganization, transfer of assets, consolidation, merger, scheme of arrangement, dissolution, issue or sale of securities, or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, and will at all times in good faith carry out all the provisions of this Warrant and take all action as may be required to protect the rights of the Holder. Without limiting the generality of the foregoing, the Company (i) shall not increase the par value of any shares of Common Stock receivable upon the exercise of this Warrant above the Exercise Price then in effect, (ii) shall take all such actions as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and non-assessable shares of Common Stock upon the exercise of this Warrant, and (iii) shall, for so long as this Warrant is outstanding, have authorized and reserved, free from preemptive rights, five times the number of shares of Common Stock that is actually issuable upon full exercise of the Warrant (based on the Exercise Price in effect from time to time, and without regard to any limitations on exercise).

5. WARRANT HOLDER NOT DEEMED A STOCKHOLDER. Except as otherwise specifically provided herein, this Warrant, in and of itself, shall not entitle the Holder to any voting rights or other rights as a stockholder of the Company. In addition, nothing contained in this Warrant shall be construed as imposing any liabilities on the Holder to purchase any securities (upon exercise of this Warrant or otherwise) or as a stockholder of the Company, whether such liabilities are asserted by the Company or by creditors of the Company.

6. REISSUANCE.

(a) *Lost, Stolen or Mutilated Warrant*. If this Warrant is lost, stolen, mutilated or destroyed, the Company will, on such terms as to indemnity or otherwise as it may reasonably impose (which shall, in the case of a mutilated Warrant, include the surrender thereof), issue a new Warrant of like denomination and tenor as this Warrant so lost, stolen, mutilated or destroyed.

(b) *Issuance of New Warrants*. Whenever the Company is required to issue a new Warrant pursuant to the terms of this Warrant, such new Warrant shall be of like tenor with this Warrant, and shall have an issuance date, as indicated on the face of such new Warrant which is the same as the Issuance Date.

7. TRANSFER.

(a) *Notice of Transfer*. The Holder agrees to give written notice to the Company before transferring this Warrant or transferring any Warrant Shares of such Holder's intention to do so, describing briefly the manner of any proposed transfer. If the proposed transfer may be effected without registration or qualification (under any federal or state securities laws), the Holder shall be entitled to transfer this Warrant or to dispose of Warrant Shares received upon the previous exercise of this Warrant, all in accordance with the terms of the notice delivered by the Holder to the Company; provided, however, that an appropriate legend may be endorsed on this Warrant or the certificates for such Warrant Shares respecting restrictions upon transfer thereof necessary or advisable to prevent further transfers which would be in violation of Section 5 of the Securities Act and applicable state securities laws; and provided further that the prospective transferee or purchaser shall execute the Assignment of Warrant attached hereto as Exhibit B and such other documents and make such representations, warranties, and agreements as may be required solely to comply with the exemptions relied upon by the Holder for the transfer or disposition of the Warrant or Warrant Shares.

(b) If the proposed transfer or disposition of this Warrant or such Warrant Shares described in the written notice given pursuant to this Section 7 may not be effected without registration or qualification of this Warrant or such Warrant Shares, the Holder will limit its activities in respect to such transfer or disposition as are permitted by law.

(c) Any transferee of all or a portion of this Warrant shall succeed to the rights and benefits of the initial Holder of this Warrant under Sections 4.1 and 4.3 (subject, however, to the limitations set forth in Section 4.2), 4.4 and 4.5 of the Purchase Agreement (expenses and indemnity).

8 . NOTICES. Whenever notice is required to be given under this Warrant, unless otherwise provided herein, such notice shall be given in accordance with the notice provisions contained in the Purchase Agreement. The Company shall provide the Holder with prompt written notice (i) immediately upon any adjustment of the Exercise Price, setting forth in reasonable detail, the calculation of such adjustment and (ii) at least 20 days prior to the date on which the Company closes its books or takes a record (A) with respect to any dividend or distribution upon the shares of Common Stock, (B) with respect to any grants, issuances or sales of any stock or other securities directly or indirectly convertible into or exercisable or exchangeable for shares of Common Stock or other property, pro rata to the holders of shares of Common Stock or (C) for determining rights to vote with respect to any Fundamental Transaction, dissolution or liquidation, provided in each case that such information shall be made known to the public prior to or in conjunction with such notice being provided to the Holder.

9 . AMENDMENT AND WAIVER. The terms of this Warrant may be amended or waived (either generally or in a particular instance and either retroactively or prospectively) only with the written consent of the Company and the Holder.

10 . GOVERNING LAW. This Warrant shall be governed by and construed in accordance with the laws of the State of [Nevada][Delaware]\* without regard to principles of conflicts of laws. Any action brought by either party against the other concerning the transactions contemplated by this Warrant shall be brought only in the state courts of [Massachusetts][New York]\* or in the federal courts located in the [Commonwealth of Massachusetts][State of New York]\*. The parties to this Warrant hereby irrevocably waive any objection to jurisdiction and venue of any action instituted hereunder and shall not assert any defense based on lack of jurisdiction or venue or based upon *forum non conveniens*. **THE BORROWER HEREBY IRREVOCABLY WAIVES ANY RIGHT IT MAY HAVE TO, AND AGREES NOT TO REQUEST, A JURY TRIAL FOR THE ADJUDICATION OF ANY DISPUTE HEREUNDER OR IN CONNECTION WITH OR ARISING OUT OF THIS WARRANT OR ANY TRANSACTION CONTEMPLATED HEREBY.** The prevailing party shall be entitled to recover from the other party its reasonable attorney's fees and costs. In the event that any provision of this Warrant or any other agreement delivered in connection herewith is invalid or unenforceable under any applicable statute or rule of law, then such provision shall be deemed inoperative to the extent that it may conflict therewith and shall be deemed modified to conform with such statute or rule of law. Any such provision which may prove invalid or unenforceable under any law shall not affect the validity or enforceability of any other provision of any agreement. Each party hereby irrevocably waives personal service of process and consents to process being served in any suit, action or proceeding in connection with this Agreement or any other Transaction Document by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to such party at the address in effect for notices to it under this Agreement and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any other manner permitted by law.

\* first state shown: Auctus warrant; second state shown: EMA warrant

11. ACCEPTANCE. Receipt of this Warrant by the Holder shall constitute acceptance of and agreement to all of the terms and conditions contained herein.

12. CERTAIN DEFINITIONS. For purposes of this Warrant, the following terms shall have the following meanings:

(a) "Nasdaq" means www.Nasdaq.com.

(b) "Closing Sale Price" means, for any security as of any date, (i) the last closing trade price for such security on the Principal Market, as reported by Nasdaq, or, if the Principal Market begins to operate on an extended hours basis and does not designate the closing trade price, then the last trade price of such security prior to 4:00 p.m., New York time, as reported by Nasdaq, or (ii) if the foregoing does not apply, the last trade price of such security in the over-the-counter market for such security as reported by Nasdaq, or (iii) if no last trade price is reported for such security by Nasdaq, the average of the bid and ask prices of any market makers for such security as reported by the OTC Markets. If the Closing Sale Price cannot be calculated for a security on a particular date on any of the foregoing bases, the Closing Sale Price of such security on such date shall be the fair market value as mutually determined by the Company and the Holder. All such determinations to be appropriately adjusted for any stock dividend, stock split, stock combination or other similar transaction during the applicable calculation period.

(c) "Common Stock" means the Company's common stock, and any other class of securities into which such securities may hereafter be reclassified or changed.

(d) "Common Stock Equivalents" means any securities of the Company that would entitle the holder thereof to acquire at any time Common Stock, including without limitation any debt, preferred stock, rights, options, warrants or other instrument that is at any time convertible into or exercisable or exchangeable for, or otherwise entitles the holder thereof to receive, Common Stock.

(e) "Exempt Issuance" means the issuance of (a) securities to employees, officers or directors of the Borrower, pursuant to any stock or option plan duly adopted for such purpose, or upon approval by a majority of the non-employee members of the Board of Directors or a majority of the members of a committee of non-employee directors established for such purpose for services rendered to the Borrower, (b) securities upon the exercise or exchange of or conversion of any Securities issued hereunder, and/or other any securities of the Borrower which would entitle the holder thereof to acquire at any time Common Stock, including, without limitation, any debt, preferred stock, right, option, warrant or other instrument that is at any time convertible into or exercisable or exchangeable for, or otherwise entitles the holder thereof to receive, Common Stock, issued and outstanding on the date of this Agreement, provided that such securities have not been amended since the date of this Agreement to increase the number of such securities or to decrease the exercise price, exchange price or conversion price of such securities (other than automatically pursuant to their terms, or in connection with stock splits or combinations) or to extend the term of such securities, (c) securities issued pursuant to any purchase money equipment loan or capital leasing arrangement approved by a purchasing agent or debt financing from a commercial bank or similar financial institution, (d) securities in full or partial consideration in connection with a bona fide strategic merger, acquisition, consolidation or purchase of all or substantially all of the securities or assets of a corporation or other entity, so long as such issuance is not for the primary purpose of raising capital by the Borrower; (e) securities in connection with a bona fide strategic license agreement, sponsored research agreement, collaboration agreement, development agreement, OEM agreement, marketing or distribution agreement, or other bona fide partnering arrangement, so long as such issuance is not for the primary purpose of raising capital by the Borrower; (f) securities to a bank or other financial institution pursuant to a bona fide commercial debt financing or to equipment lessor pursuant to a bona fide equipment leasing agreement; and (g) securities upon a stock split, stock dividend or subdivision of the Common Stock.

(f) "Principal Market" means the primary national securities exchange on which the Common Stock is then traded.

(g) "Market Price" means the highest closing price of the Common Stock during the twenty Trading Days prior to the date of the respective Exercise Notice.

(h) "Trading Day" means (i) any day on which the Common Stock is listed or quoted and traded on its Principal Market, (ii) if the Common Stock is not then listed or quoted and traded on any national securities exchange, then a day on which trading occurs on any over-the-counter markets, or (iii) if trading does not occur on the over-the-counter markets, any Business Day.

\* \* \* \* \*



IN WITNESS WHEREOF, the Company has caused this Warrant to be duly executed as of the Issuance Date set forth above.

**NUO THERAPEUTICS, INC.**

---

Name: David Jordan  
Title: Chief Executive Officer

---

EXHIBIT A

**EXERCISE NOTICE**

(To be executed by the registered holder to exercise this Common Stock Purchase Warrant)

THE UNDERSIGNED holder hereby exercises the right to purchase \_\_\_\_\_ of the shares of Common Stock ("Warrant Shares") of Nuo Therapeutics, Inc., a Delaware corporation (the "Company"), evidenced by the attached copy of the Common Stock Purchase Warrant (the "Warrant"). Capitalized terms used herein and not otherwise defined shall have the respective meanings set forth in the Warrant.

1. Form of Exercise Price. The Holder intends that payment of the Exercise Price shall be made as (check one):

- a cash exercise with respect to \_\_\_\_\_ Warrant Shares; or
- by cashless exercise pursuant to the Warrant.

2. Payment of Exercise Price. If cash exercise is selected above, the holder shall pay the applicable Aggregate Exercise Price in the sum of \$\_\_\_\_\_ to the Company in accordance with the terms of the Warrant.

3. Delivery of Warrant Shares. The Company shall deliver to the holder \_\_\_\_\_ Warrant Shares in accordance with the terms of the Warrant.

Date: \_\_\_\_\_

\_\_\_\_\_  
(Print Name of Registered Holder)

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

---

EXHIBIT B

**ASSIGNMENT OF WARRANT**

(To be signed only upon authorized transfer of the Warrant)

FOR VALUE RECEIVED, the undersigned hereby sells, assigns, and transfers unto \_\_\_\_\_ the right to purchase \_\_\_\_\_ shares of common stock of Nuo Therapeutics, Inc., to which the within Common Stock Purchase Warrant relates and appoints \_\_\_\_\_, as attorney-in-fact, to transfer said right on the books of Nuo Therapeutics, Inc. with full power of substitution and re-substitution in the premises. By accepting such transfer, the transferee has agreed to be bound in all respects by the terms and conditions of the within Warrant.

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature) \*

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Social Security or Tax Identification No.)

\* The signature on this Assignment of Warrant must correspond to the name as written upon the face of the Common Stock Purchase Warrant in every particular without alteration or enlargement or any change whatsoever. When signing on behalf of a corporation, partnership, trust or other entity, please indicate your position(s) and title(s) with such entity.

**SECURITIES PURCHASE AGREEMENT**

This **SECURITIES PURCHASE AGREEMENT** (the "Agreement"), dated as of September 17, 2018, by and between **NUO THERAPEUTICS, INC.**, a Delaware corporation, with headquarters located at 207A Perry Parkway, Suite 1, Gaithersburg, MD 20877 (the "Company"), and **AUCTUS FUND, LLC**, a Delaware limited liability company, with its address at 545 Boylston Street, 2nd Floor, Boston, MA 02116 (the "Buyer").

**WHEREAS:**

A. The Company and the Buyer are executing and delivering this Agreement in reliance upon the exemption from securities registration afforded by the rules and regulations as promulgated by the United States Securities and Exchange Commission (the "SEC") under the Securities Act of 1933, as amended (the "1933 Act");

B. Buyer desires to purchase and the Company desires to issue and sell, upon the terms and conditions set forth in this Agreement the 12% convertible note of the Company, in the form attached hereto as Exhibit A, in the aggregate principal amount of US\$175,000.00 (together with any note(s) issued in replacement thereof or as a dividend thereon or otherwise with respect thereto in accordance with the terms thereof, the "Note"), convertible into shares of common stock, \$0.0001 par value per share, of the Company (the "Common Stock"), upon the terms and subject to the limitations and conditions set forth in such Note.

C. The Buyer wishes to purchase, upon the terms and conditions stated in this Agreement, such principal amount of Note as is set forth immediately below its name on the signature pages hereto; and

**NOW THEREFORE**, the Company and the Buyer severally (and not jointly) hereby agree as follows:

1. PURCHASE AND SALE OF NOTE.

a. Purchase of Note. On the Closing Date (as defined below), the Company shall issue and sell to the Buyer and the Buyer agrees to purchase from the Company such principal amount of Note as is set forth immediately below the Buyer's name on the signature pages hereto. In connection with the issuance of the Note, the Company shall issue a common stock purchase warrant to Buyer to purchase 233,333 shares of the Company's common stock (the "Warrant") as a commitment fee upon the terms and subject to the limitations and conditions set forth in such Warrant.

b. Form of Payment. On the Closing Date (as defined below), (i) the Buyer shall pay the purchase price, as set forth on the signature page hereto, for the Note to be issued and sold to it at the Closing (as defined below) (the "Purchase Price") by wire transfer of immediately available funds to the Company, in accordance with the Company's written wiring instructions, against delivery of the Note in the principal amount equal to the Purchase Price as is set forth immediately below the Buyer's name on the signature pages hereto, and (ii) the Company shall deliver such duly executed Note and Warrant on behalf of the Company, to the Buyer, against delivery of such Purchase Price.

---

c. Closing Date. Subject to the satisfaction (or written waiver) of the conditions thereto set forth in Section 7 and Section 8 below, the date and time of the issuance and sale of the Note pursuant to this Agreement (the "Closing Date") shall be 12:00 noon, Eastern Standard Time on or about September 17, 2018, or such other mutually agreed upon time. The closing of the transactions contemplated by this Agreement (the "Closing") shall occur on the Closing Date at such location as may be agreed to by the parties.

2. REPRESENTATIONS AND WARRANTIES OF THE BUYER. The Buyer represents and warrants to the Company that:

a. Investment Purpose. As of the date hereof, the Buyer is purchasing the Note and the shares of Common Stock issuable upon conversion of or otherwise pursuant to the Note (including, without limitation, such additional shares of Common Stock, if any, as are issuable (i) on account of interest on the Note (ii) as a result of the events described in Sections 1.3 and 1.4(g) of the Note or (iii) in payment of the Standard Liquidated Damages Amount (defined as five percent (5%) of the outstanding amount of the Note per day plus accrued and unpaid interest on the Note, prorated for partial months, in cash or shares at the option of the Buyer) pursuant to this Agreement, such shares of Common Stock being collectively referred to herein as the "Conversion Shares" and, collectively with the Note, the "Securities") for its own account and not with a present view towards the sale or distribution thereof, except pursuant to sales registered or exempted from registration under the 1933 Act and Buyer is able to bear the economic risk of holding the Conversion Shares for an indefinite period (including total loss of its investment), and has sufficient knowledge and experience in financial and business matters so as to be capable of evaluating the merits and risk of its investment; provided, however, that by making the representations herein, the Buyer does not agree to hold any of the Securities for any minimum or other specific term and reserves the right to dispose of the Securities at any time in accordance with or pursuant to a registration statement or an exemption under the 1933 Act.

b. Accredited Investor Status. The Buyer is an "accredited investor" as that term is defined in Rule 501(a) of Regulation D (an "Accredited Investor").

c. Reliance on Exemptions. The Buyer understands that the Securities are being offered and sold to it in reliance upon specific exemptions from the registration requirements of United States federal and state securities laws and that the Company is relying upon the truth and accuracy of, and the Buyer's compliance with, the representations, warranties, agreements, acknowledgments and understandings of the Buyer set forth herein in order to determine the availability of such exemptions and the eligibility of the Buyer to acquire the Securities.

d . Information. The Buyer and its advisors, if any, have been, and for so long as the Note remains outstanding will continue to be, furnished with all materials relating to the business, finances and operations of the Company and materials relating to the offer and sale of the Securities which have been reasonably requested by the Buyer or its advisors. The Buyer and its advisors, if any, have been, and for so long as the Note remains outstanding will continue to be, afforded the opportunity to ask questions of the Company. Notwithstanding the foregoing, the Company has not disclosed to the Buyer any material nonpublic information and will not disclose such information unless such information is disclosed to the public prior to or promptly following such disclosure to the Buyer. Neither such inquiries nor any other due diligence investigation conducted by Buyer or any of its advisors or representatives shall modify, amend or affect Buyer's right to rely on the Company's representations and warranties contained in Section 3 below. The Buyer understands that its investment in the Securities involves a significant degree of risk. The Buyer is not aware of any facts that may constitute a breach of any of the Company's representations and warranties made herein.

e. Governmental Review. The Buyer understands that no United States federal or state agency or any other government or governmental agency has passed upon or made any recommendation or endorsement of the Securities.

f. Transfer or Re-sale. The Buyer understands that (i) the sale or re-sale of the Securities has not been and is not being registered under the 1933 Act or any applicable state securities laws, and the Securities may not be transferred unless (a) the Securities are sold pursuant to an effective registration statement under the 1933 Act, (b) the Buyer shall have delivered to the Company, at the cost of the Buyer, an opinion of counsel reasonably satisfactory to the Company's transfer agent that shall be in form, substance and scope customary for opinions of counsel in comparable transactions to the effect that the Securities to be sold or transferred may be sold or transferred pursuant to an exemption from such registration, which opinion shall be accepted by the Company, (c) the Securities are sold or transferred to an "affiliate" (as defined in Rule 144 promulgated under the 1933 Act (or a successor rule) ("Rule 144")) of the Buyer who agrees in writing to sell or otherwise transfer the Securities only in accordance with this Section 2(f) and who is an Accredited Investor, (d) the Securities are sold pursuant to Rule 144, or (e) the Securities are sold pursuant to Regulation S under the 1933 Act (or a successor rule) ("Regulation S"), and the Buyer shall have delivered to the Company, at the cost of the Buyer, an opinion of counsel reasonably satisfactory to the Company's transfer agent that shall be in form, substance and scope customary for opinions of counsel in corporate transactions, which opinion shall be accepted by the Company; (ii) any sale of such Securities made in reliance on Rule 144 may be made only in accordance with the terms of said Rule and further, if said Rule is not applicable, any re-sale of such Securities under circumstances in which the seller (or the person through whom the sale is made) may be deemed to be an underwriter (as that term is defined in the 1933 Act) may require compliance with some other exemption under the 1933 Act or the rules and regulations of the SEC thereunder; and (iii) neither the Company nor any other person is under any obligation to register such Securities under the 1933 Act or any state securities laws or to comply with the terms and conditions of any exemption thereunder (in each case). Notwithstanding the foregoing or anything else contained herein to the contrary, the Securities may be pledged as collateral in connection with a bona fide margin account with a registered broker dealer or other loan or financing arrangement secured by the securities with a financial institution that is an "accredited investor" as defined in Rule 510(a) under the Securities Act

g. Legends. The Buyer understands that the Note and, until such time as the Conversion Shares have been registered under the 1933 Act or may be sold pursuant to Rule 144 or Regulation S without any restriction as to the number of securities as of a particular date that can then be immediately sold, the Conversion Shares may bear a restrictive legend in substantially the following form (and a stop-transfer order may be placed against transfer of the certificates for such Securities):

**“NEITHER THE ISSUANCE AND SALE OF THE SECURITIES REPRESENTED BY THIS CERTIFICATE NOR THE SECURITIES INTO WHICH THESE SECURITIES ARE EXERCISABLE HAVE BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED (I) IN THE ABSENCE OF (A) AN EFFECTIVE REGISTRATION STATEMENT FOR THE SECURITIES UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR (B) AN OPINION OF COUNSEL (WHICH COUNSEL SHALL BE SELECTED BY THE HOLDER), IN A GENERALLY ACCEPTABLE FORM, THAT REGISTRATION IS NOT REQUIRED UNDER SAID ACT OR (II) UNLESS SOLD PURSUANT TO RULE 144 OR RULE 144A UNDER SAID ACT. NOTWITHSTANDING THE FOREGOING, THE SECURITIES MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT WITH A REGISTERED BROKER DEALER OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES WITH A FINANCIAL INSTITUTION THAT IS AN “ACCREDITED INVESTOR” AS DEFINED IN RULE 501(a) UNDER THE SECURITIES ACT.”**

The legend set forth above shall be removed and the Company shall issue a certificate without such legend to the holder of any Security upon which it is stamped, if, unless otherwise required by applicable state securities laws, (a) such Security is registered for sale under an effective registration statement filed under the 1933 Act or otherwise may be sold pursuant to Rule 144 or Regulation S without any restriction as to the number of securities as of a particular date that can then be immediately sold, or (b) such holder provides the Company with an opinion of counsel reasonably satisfactory to the Company’s transfer agent, in form, substance and scope customary for opinions of counsel in comparable transactions, to the effect that a public sale or transfer of such Security may be made without registration under the 1933 Act, which opinion shall be accepted by the Company so that the sale or transfer is effected. The Buyer agrees to sell all Securities, including those represented by a certificate(s) from which the legend has been removed, in compliance with applicable prospectus delivery requirements, if any.

h . Authorization; Enforcement. Buyer has all necessary company power and authority to enter into this Agreement, to carry out its obligations hereunder and to consummate the transactions contemplated hereby. This Agreement has been duly and validly authorized. This Agreement has been duly executed and delivered on behalf of the Buyer, and this Agreement constitutes a valid and binding agreement of the Buyer enforceable in accordance with its terms.

i. Residency. The Buyer is a resident of the jurisdiction set forth in the preamble.

3 . REPRESENTATIONS AND WARRANTIES OF THE COMPANY. The Company represents and warrants to the Buyer that except as otherwise disclosed in the SEC Documents (as defined below):

a. Organization and Qualification. The Company and each of its Subsidiaries (as defined below), if any, is a corporation duly organized, validly existing and in good standing under the laws of the jurisdiction in which it is incorporated, with full power and authority (corporate and other) to own, lease, use and operate its properties and to carry on its business as and where now owned, leased, used, operated and conducted. The Company and each of its Subsidiaries is duly qualified as a foreign corporation to do business and is in good standing in every jurisdiction in which its ownership or use of property or the nature of the business conducted by it makes such qualification necessary except where the failure to be so qualified or in good standing would not have a Material Adverse Effect. "Material Adverse Effect" means any material adverse effect on the business, operations, assets, financial condition or prospects of the Company or its Subsidiaries, if any, taken as a whole, or on the transactions contemplated hereby or by the agreements or instruments to be entered into in connection herewith. "Subsidiaries" means any corporation or other organization, whether incorporated or unincorporated, in which the Company owns, directly or indirectly, any equity or other ownership interest.

b. Authorization; Enforcement. (i) The Company has all requisite corporate power and authority to enter into and perform this Agreement, the Note and to consummate the transactions contemplated hereby and thereby and to issue the Securities, in accordance with the terms hereof and thereof, (ii) the execution and delivery of this Agreement, the Note by the Company and the consummation by it of the transactions contemplated hereby and thereby (including without limitation, the issuance of the Note and the issuance and reservation for issuance of the Conversion Shares issuable upon conversion or exercise thereof) have been duly authorized by the Company's Board of Directors and no further consent or authorization of the Company, its Board of Directors, or its shareholders is required, (iii) this Agreement has been duly executed and delivered by the Company by its authorized representative, and such authorized representative is the true and official representative with authority to sign this Agreement and the other documents executed in connection herewith and bind the Company accordingly, and (iv) this Agreement constitutes, and upon execution and delivery by the Company of the Note, each of such instruments will constitute, a legal, valid and binding obligation of the Company enforceable against the Company in accordance with its terms.



c . Capitalization. As of the date hereof, the authorized capital stock of the Company consists of: (i) 100,000,000 shares of Common Stock, of which approximately 23,722,400 shares are issued and outstanding; and (ii) 1,000,000 shares of preferred stock, of which 29,038 are issued and outstanding. Except as disclosed in the SEC Documents and Schedule 3(c), no shares are reserved for issuance pursuant to the Company's stock option plans, no shares are reserved for issuance pursuant to securities exercisable for, or convertible into or exchangeable for shares of Common Stock and 19,919,000 shares are reserved for issuance upon conversion of the Note. All of such outstanding shares of capital stock are, or upon issuance will be, duly authorized, validly issued, fully paid and non-assessable. No shares of capital stock of the Company are subject to preemptive rights or any other similar rights of the shareholders of the Company or any liens or encumbrances imposed through the actions or failure to act of the Company. Except as disclosed in the SEC Documents and Schedule 3(c), as of the effective date of this Agreement, (i) there are no outstanding options, warrants, scrip, rights to subscribe for, puts, calls, rights of first refusal, agreements, understandings, claims or other commitments or rights of any character whatsoever relating to, or securities or rights convertible into or exchangeable for any shares of capital stock of the Company or any of its Subsidiaries, or arrangements by which the Company or any of its Subsidiaries is or may become bound to issue additional shares of capital stock of the Company or any of its Subsidiaries, (ii) there are no agreements or arrangements under which the Company or any of its Subsidiaries is obligated to register the sale of any of its or their securities under the 1933 Act and (iii) there are no anti-dilution or price adjustment provisions contained in any security issued by the Company (or in any agreement providing rights to security holders) that will be triggered by the issuance of the Note or the Conversion Shares. The Company has filed in its SEC Documents true and correct copies of the Company's Certificate of Incorporation as in effect on the date hereof ("Certificate of Incorporation"), the Company's By-laws, as in effect on the date hereof (the "By-laws"), and the terms of all securities convertible into or exercisable for Common Stock of the Company and the material rights of the holders thereof in respect thereto. The Company shall provide the Buyer with a written update of this representation signed by the Company's Chief Executive on behalf of the Company as of the Closing Date.

d . Issuance of Shares. The issuance of the Note is duly authorized and, upon issuance in accordance with the terms of this Agreement, will be validly issued, fully paid and non-assessable and free from all preemptive or similar rights, taxes, liens, charges and other encumbrances with respect to the issue thereof. The Conversion Shares are duly authorized and reserved for issuance and, upon conversion of the Note in accordance with its respective terms, will be validly issued, fully paid and non-assessable, and free from all taxes, liens, claims and encumbrances with respect to the issue thereof and shall not be subject to preemptive rights or other similar rights of shareholders of the Company and will not impose personal liability upon the holder thereof.

e. Acknowledgment of Dilution. The Company understands and acknowledges the potentially dilutive effect to the Common Stock upon the issuance of the Conversion Shares upon conversion of the Note. The Company further acknowledges that its obligation to issue Conversion Shares upon conversion of the Note in accordance with this Agreement, the Note is absolute and unconditional regardless of the dilutive effect that such issuance may have on the ownership interests of other shareholders of the Company.

f. No Conflicts. The execution, delivery and performance of this Agreement and the Note by the Company and the consummation by the Company of the transactions contemplated hereby and thereby (including, without limitation, the issuance and reservation for issuance of the Conversion Shares) will not (i) conflict with or result in a violation of any provision of the Certificate of Incorporation or By-laws, or (ii) violate or conflict with, or result in a breach of any provision of, or constitute a default (or an event which with notice or lapse of time or both could become a default) under, or give to others any rights of termination, amendment, acceleration or cancellation of, any agreement, indenture, patent, patent license or instrument to which the Company or any of its Subsidiaries is a party, or (iii) result in a violation of any law, rule, regulation, order, judgment or decree (including federal and state securities laws and regulations and regulations of any self-regulatory organizations to which the Company or its securities are subject) applicable to the Company or any of its Subsidiaries or by which any property or asset of the Company or any of its Subsidiaries is bound or affected (except for such conflicts, defaults, terminations, amendments, accelerations, cancellations and violations as would not, individually or in the aggregate, have a Material Adverse Effect). Neither the Company nor any of its Subsidiaries is in violation of its Certificate of Incorporation, By-laws or other organizational documents and neither the Company nor any of its Subsidiaries is in default (and no event has occurred which with notice or lapse of time or both could put the Company or any of its Subsidiaries in default) under, and neither the Company nor any of its Subsidiaries has taken any action or failed to take any action that would give to others any rights of termination, amendment, acceleration or cancellation of, any agreement, indenture or instrument to which the Company or any of its Subsidiaries is a party or by which any property or assets of the Company or any of its Subsidiaries is bound or affected, except for possible defaults as would not, individually or in the aggregate, have a Material Adverse Effect. The businesses of the Company and its Subsidiaries, if any, are not being conducted, and shall not be conducted so long as the Buyer owns any of the Securities, in violation of any law, ordinance or regulation of any governmental entity the result of which would have a Material Adverse Effect. Except as specifically contemplated by this Agreement and as required under the 1933 Act and any applicable state securities laws, the Company is not required to obtain any consent, authorization or order of, or make any filing or registration with, any court, governmental agency, regulatory agency, self-regulatory organization or stock market or any third party in order for it to execute, deliver or perform any of its obligations under this Agreement, the Note in accordance with the terms hereof or thereof or to issue and sell the Note in accordance with the terms hereof and to issue the Conversion Shares upon conversion of the Note. All consents, authorizations, orders, filings and registrations which the Company is required to obtain pursuant to the preceding sentence have been obtained or effected on or prior to the date hereof. The Company is not in violation of the listing requirements of the OTC Pink (the "OTC Pink"), the OTCQB or any similar quotation system, and does not reasonably anticipate that the Common Stock will be delisted by the OTC Pink, the OTCQB or any similar quotation system, in the foreseeable future nor are the Company's securities "chilled" by DTC. The Company and its Subsidiaries are unaware of any facts or circumstances which might give rise to any of the foregoing.

g . SEC Documents: Financial Statements. The Company has filed all reports, schedules, forms, statements and other documents required to be filed by it with the SEC pursuant to the reporting requirements of the Securities Exchange Act of 1934, as amended (the "1934 Act") (all of the foregoing filed prior to the date hereof and all exhibits included therein and financial statements and schedules thereto and documents (other than exhibits to such documents) incorporated by reference therein, being hereinafter referred to herein as the "SEC Documents"). The Company has delivered to the Buyer true and complete copies of the SEC Documents, except for such exhibits and incorporated documents. As of their respective dates, the SEC Documents complied in all material respects with the requirements of the 1934 Act and the rules and regulations of the SEC promulgated thereunder applicable to the SEC Documents, and none of the SEC Documents, at the time they were filed with the SEC, contained any untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading. None of the statements made in any such SEC Documents is, or has been, required to be amended or updated under applicable law (except for such statements as have been amended or updated in subsequent filings prior the date hereof). As of their respective dates, the financial statements of the Company included in the SEC Documents complied as to form in all material respects with applicable accounting requirements and the published rules and regulations of the SEC with respect thereto. Such financial statements have been prepared in accordance with United States generally accepted accounting principles, consistently applied, during the periods involved and fairly present in all material respects the consolidated financial position of the Company and its consolidated Subsidiaries as of the dates thereof and the consolidated results of their operations and cash flows for the periods then ended (subject, in the case of unaudited statements, to normal year-end audit adjustments). Except as set forth in the financial statements of the Company included in the SEC Documents, the Company has no liabilities, contingent or otherwise, other than (i) liabilities incurred in the ordinary course of business subsequent to June 30, 2018, and (ii) obligations under contracts and commitments incurred in the ordinary course of business and not required under generally accepted accounting principles to be reflected in such financial statements, which, individually or in the aggregate, are not material to the financial condition or operating results of the Company. The Company is subject to the reporting requirements of the 1934 Act. For the avoidance of doubt, filing of the documents required in this Section 3(g) via the SEC's Electronic Data Gathering, Analysis, and Retrieval system ("EDGAR") shall satisfy all delivery requirements of this Section 3(g).

h. Absence of Certain Changes. Since June 30, 2018, there has been no material adverse change and no material adverse development in the assets, liabilities, business, properties, operations, financial condition, results of operations, prospects or 1934 Act reporting status of the Company or any of its Subsidiaries.

i. Absence of Litigation. There is no action, suit, claim, proceeding, inquiry or investigation before or by any court, public board, government agency, self-regulatory organization or body pending or, to the knowledge of the Company or any of its Subsidiaries, threatened against or affecting the Company or any of its Subsidiaries, or their officers or directors in their capacity as such, that could have a Material Adverse Effect. Schedule 3(i) contains a complete list and summary description of any pending or, to the knowledge of the Company, threatened proceeding against or affecting the Company or any of its Subsidiaries, without regard to whether it would have a Material Adverse Effect. The Company and its Subsidiaries are unaware of any facts or circumstances which might give rise to any of the foregoing.

j. Patents, Copyrights, etc. The Company and each of its Subsidiaries owns or possesses the requisite licenses or rights to use all patents, patent applications, patent rights, inventions, know-how, trade secrets, trademarks, trademark applications, service marks, service names, trade names and copyrights ("Intellectual Property") necessary to enable it to conduct its business as now operated (and, as presently contemplated to be operated in the future). Except as disclosed in the SEC Documents, there is no claim or action by any person pertaining to, or proceeding pending, or to the Company's knowledge threatened, which challenges the right of the Company or of a Subsidiary with respect to any Intellectual Property necessary to enable it to conduct its business as now operated (and, as presently contemplated to be operated in the future); to the best of the Company's knowledge, the Company's or its Subsidiaries' current and intended products, services and processes do not infringe on any Intellectual Property or other rights held by any person; and the Company is unaware of any facts or circumstances which might give rise to any of the foregoing. The Company and each of its Subsidiaries have taken reasonable security measures to protect the secrecy, confidentiality and value of their Intellectual Property.

k. No Materially Adverse Contracts, Etc. Neither the Company nor any of its Subsidiaries is subject to any charter, corporate or other legal restriction, or any judgment, decree, order, rule or regulation which in the judgment of the Company's officers has or is expected in the future to have a Material Adverse Effect. Neither the Company nor any of its Subsidiaries is a party to any contract or agreement which in the judgment of the Company's officers has or is expected to have a Material Adverse Effect.

l. Tax Status. Except as would not reasonably expected to have a Material Adverse Effect, the Company and each of its Subsidiaries has made or filed all federal, state and foreign income and all other tax returns, reports and declarations required by any jurisdiction to which it is subject (unless and only to the extent that the Company and each of its Subsidiaries has set aside on its books provisions reasonably adequate for the payment of all unpaid and unreported taxes) and has paid all taxes and other governmental assessments and charges that are material in amount, shown or determined to be due on such returns, reports and declarations, except those being contested in good faith and has set aside on its books provisions reasonably adequate for the payment of all taxes for periods subsequent to the periods to which such returns, reports or declarations apply. There are no unpaid taxes in any material amount claimed to be due by the taxing authority of any jurisdiction, and the officers of the Company know of no basis for any such claim. The Company has not executed a waiver with respect to the statute of limitations relating to the assessment or collection of any foreign, federal, state or local tax. None of the Company's tax returns is presently being audited by any taxing authority.

m. Certain Transactions. Except for arm's length transactions pursuant to which the Company or any of its Subsidiaries makes payments in the ordinary course of business upon terms no less favorable than the Company or any of its Subsidiaries could obtain from third parties and other than the grant of stock options disclosed on Schedule 3(c), none of the officers, directors, or employees of the Company is presently a party to any transaction with the Company or any of its Subsidiaries (other than for services as employees, officers and directors), including any contract, agreement or other arrangement providing for the furnishing of services to or by, providing for rental of real or personal property to or from, or otherwise requiring payments to or from any officer, director or such employee or, to the knowledge of the Company, any corporation, partnership, trust or other entity in which any officer, director, or any such employee has a substantial interest or is an officer, director, trustee or partner.

n. Disclosure. All information relating to or concerning the Company or any of its Subsidiaries set forth in this Agreement and provided to the Buyer pursuant to Section 2(d) hereof and otherwise in connection with the transactions contemplated hereby is true and correct in all material respects and the Company has not omitted to state any material fact necessary in order to make the statements made herein or therein, in light of the circumstances under which they were made, not misleading. No event or circumstance has occurred or exists with respect to the Company or any of its Subsidiaries or its or their business, properties, prospects, operations or financial conditions, which, under applicable law, rule or regulation, requires public disclosure or announcement by the Company but which has not been so publicly announced or disclosed (assuming for this purpose that the Company's reports filed under the 1934 Act are being incorporated into an effective registration statement filed by the Company under the 1933 Act).

o. Acknowledgment Regarding Buyer' Purchase of Securities. The Company acknowledges and agrees that the Buyer is acting solely in the capacity of arm's length purchasers with respect to this Agreement and the transactions contemplated hereby. The Company further acknowledges that the Buyer is not acting as a financial advisor or fiduciary of the Company (or in any similar capacity) with respect to this Agreement and the transactions contemplated hereby and any statement made by the Buyer or any of its respective representatives or agents in connection with this Agreement and the transactions contemplated hereby is not advice or a recommendation and is merely incidental to the Buyer' purchase of the Securities. The Company further represents to the Buyer that the Company's decision to enter into this Agreement has been based solely on the independent evaluation of the Company and its representatives.

p . No Integrated Offering. Neither the Company, nor any of its affiliates, nor any person acting on its or their behalf, has directly or indirectly made any offers or sales in any security or solicited any offers to buy any security under circumstances that would require registration under the 1933 Act of the issuance of the Securities to the Buyer. The issuance of the Securities to the Buyer will not be integrated with any other issuance of the Company's securities (past, current or future) for purposes of any shareholder approval provisions applicable to the Company or its securities.

q . No Brokers. The Company has taken no action which would give rise to any claim against the Buyer by any person for brokerage commissions, transaction fees or similar payments relating to this Agreement or the transactions contemplated hereby.

r . Permits; Compliance. Except as would not reasonably expected to have a Material Adverse Effect, the Company and each of its Subsidiaries is in possession of all franchises, grants, authorizations, licenses, permits, easements, variances, exemptions, consents, certificates, approvals and orders necessary to own, lease and operate its properties and to carry on its business as it is now being conducted (collectively, the "Company Permits"), and there is no action pending or, to the knowledge of the Company, threatened regarding suspension or cancellation of any of the Company Permits. Neither the Company nor any of its Subsidiaries is in conflict with, or in default or violation of, any of the Company Permits, except for any such conflicts, defaults or violations which, individually or in the aggregate, would not reasonably be expected to have a Material Adverse Effect. Since June 30, 2018, neither the Company nor any of its Subsidiaries has received any notification with respect to possible conflicts, defaults or violations of applicable laws, except for notices relating to possible conflicts, defaults or violations, which conflicts, defaults or violations would not have a Material Adverse Effect.

s. Environmental Matters.

(i) Except as would not reasonably expected to have a Material Adverse Effect, there are, to the Company's knowledge, with respect to the Company or any of its Subsidiaries or any predecessor of the Company, no past or present violations of Environmental Laws (as defined below), releases of any material into the environment, actions, activities, circumstances, conditions, events, incidents, or contractual obligations which may give rise to any common law environmental liability or any liability under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 or similar federal, state, local or foreign laws and neither the Company nor any of its Subsidiaries has received any notice with respect to any of the foregoing, nor is any action pending or, to the Company's knowledge, threatened in connection with any of the foregoing. The term "Environmental Laws" means all federal, state, local or foreign laws relating to pollution or protection of human health or the environment (including, without limitation, ambient air, surface water, groundwater, land surface or subsurface strata), including, without limitation, laws relating to emissions, discharges, releases or threatened releases of chemicals, pollutants contaminants, or toxic or hazardous substances or wastes (collectively, "Hazardous Materials") into the environment, or otherwise relating to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Hazardous Materials, as well as all authorizations, codes, decrees, demands or demand letters, injunctions, judgments, licenses, notices or notice letters, orders, permits, plans or regulations issued, entered, promulgated or approved thereunder.

(ii) Other than those that are or were stored, used or disposed of in compliance with applicable law, no Hazardous Materials are contained on or about any real property currently owned, leased or used by the Company or any of its Subsidiaries, and no Hazardous Materials were released on or about any real property previously owned, leased or used by the Company or any of its Subsidiaries during the period the property was owned, leased or used by the Company or any of its Subsidiaries, except in the normal course of the Company's or any of its Subsidiaries' business.

(iii) There are no underground storage tanks on or under any real property owned, leased or used by the Company or any of its Subsidiaries that are not in compliance with applicable law.

t. Title to Property. Except as disclosed in the SEC Documents the Company and its Subsidiaries have good and marketable title in fee simple to all real property and good and marketable title to all personal property owned by them which is material to the business of the Company and its Subsidiaries, in each case free and clear of all liens, encumbrances and defects or such as would not have a Material Adverse Effect. Any real property and facilities held under lease by the Company and its Subsidiaries are held by them under valid, subsisting and enforceable leases with such exceptions as would not have a Material Adverse Effect.

u. Internal Accounting Controls. Except as disclosed in the SEC Documents the Company and each of its Subsidiaries maintain a system of internal accounting controls sufficient, in the judgment of the Company's board of directors, to provide reasonable assurance that (i) transactions are executed in accordance with management's general or specific authorizations, (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with generally accepted accounting principles and to maintain asset accountability, (iii) access to assets is permitted only in accordance with management's general or specific authorization and (iv) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences.

v. Foreign Corrupt Practices. Except as would not reasonably expected to have a Material Adverse Effect, neither the Company, nor any of its Subsidiaries, nor any director, officer, agent, employee or other person acting on behalf of the Company or any Subsidiary has, in the course of his actions for, or on behalf of, the Company, used any corporate funds for any unlawful contribution, gift, entertainment or other unlawful expenses relating to political activity; made any direct or indirect unlawful payment to any foreign or domestic government official or employee from corporate funds; violated or is in violation of any provision of the U.S. Foreign Corrupt Practices Act of 1977, as amended, or made any bribe, rebate, payoff, influence payment, kickback or other unlawful payment to any foreign or domestic government official or employee.

w. Solvency. The Company (after giving effect to the transactions contemplated by this Agreement) is solvent ( i.e., its assets have a fair market value in excess of the amount required to pay its probable liabilities on its existing debts as they become absolute and matured) and currently the Company has no information that would lead it to reasonably conclude that the Company would not, after giving effect to the transaction contemplated by this Agreement, have the ability to, nor does it intend to take any action that would impair its ability to, pay its debts from time to time incurred in connection therewith as such debts mature. The Company did not receive a qualified opinion from its auditors with respect to its most recent fiscal year end and, after giving effect to the transactions contemplated by this Agreement, does not anticipate or know of any basis upon which its auditors might issue a qualified opinion in respect of its current fiscal year. For the avoidance of doubt any disclosure of the Borrower's ability to continue as a "going concern" shall not, by itself, be a violation of this Section 3(w).

x. No Investment Company. The Company is not, and upon the issuance and sale of the Securities as contemplated by this Agreement will not be an "investment company" required to be registered under the Investment Company Act of 1940 (an "Investment Company"). The Company is not controlled by an Investment Company.

y. Insurance. The Company and each of its Subsidiaries are insured by insurers of recognized financial responsibility against such losses and risks and in such amounts as management of the Company believes to be prudent and customary in the businesses in which the Company and its Subsidiaries are engaged. Neither the Company nor any such Subsidiary has any reason to believe that it will not be able to renew its existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue its business at a cost that would not have a Material Adverse Effect. Upon written request the Company will provide to the Buyer true and correct copies of all policies relating to directors' and officers' liability coverage, errors and omissions coverage, and commercial general liability coverage.

z . Bad Actor. No officer or director of the Company would be disqualified under Rule 506(d) of the Securities Act as amended on the basis of being a "bad actor" as that term is established in the September 19, 2013 Small Entity Compliance Guide published by the SEC.

a a . Shell Status. The Company represents that it is not a "shell" issuer and has never been a "shell" issuer, or that if it previously has been a "shell" issuer, that at least twelve (12) months have passed since the Company has reported Form 10 type information indicating that it is no longer a "shell" issuer.



bb. No-Off Balance Sheet Arrangements. There is no transaction, arrangement, or other relationship between the Company or any of its Subsidiaries and an unconsolidated or other off balance sheet entity that is required to be disclosed by the Company in its 1934 Act filings and is not so disclosed or that otherwise could be reasonably likely to have a Material Adverse Effect.

cc. Manipulation of Price. The Company has not, and to its knowledge no one acting on its behalf has: (i) taken, directly or indirectly, any action designed to cause or to result, or that could reasonably be expected to cause or result, in the stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of any of the Securities, (ii) sold, bid for, purchased, or paid any compensation for soliciting purchases of, any of the Securities, or (iii) paid or agreed to pay to any person any compensation for soliciting another to purchase any other securities of the Company.

dd. [Intentionally Omitted]

ee. Employee Relations. Neither the Company nor any of its Subsidiaries is a party to any collective bargaining agreement or employs any member of a union. The Company believes that its and its Subsidiaries' relations with their respective employees are good. No executive officer (as defined in Rule 501(f) promulgated under the 1933 Act) or other key employee of the Company or any of its Subsidiaries has notified the Company or any such Subsidiary that such officer intends to leave the Company or any such Subsidiary or otherwise terminate such officer's employment with the Company or any such Subsidiary. To the knowledge of the Company, no executive officer or other key employee of the Company or any of its Subsidiaries is, or is now expected to be, in violation of any material term of any employment contract, confidentiality, disclosure or proprietary information agreement, non-competition agreement, or any other contract or agreement or any restrictive covenant, and the continued employment of each such executive officer or other key employee (as the case may be) does not subject the Company or any of its Subsidiaries to any liability with respect to any of the foregoing matters. The Company and its Subsidiaries are in compliance with all federal, state, local and foreign laws and regulations respecting labor, employment and employment practices and benefits, terms and conditions of employment and wages and hours, except where failure to be in compliance would not, either individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect.

ff. Breach of Representations and Warranties by the Company. The Company agrees that if the Company breaches any of the representations or warranties set forth in this Section 3, and in addition to any other remedies available to the Buyer pursuant to this Agreement and it being considered an Event of Default under Section 3.5 of the Note, the Company shall pay to the Buyer the Standard Liquidated Damages Amount in cash or in shares of Common Stock at the option of the Company, until such breach is cured. If the Company elects to pay the Standard Liquidated Damages Amounts in shares of Common Stock, such shares shall be issued at the Conversion Price at the time of payment.

4. COVENANTS.

a . Best Efforts. The parties shall use their commercially reasonable best efforts to satisfy timely each of the conditions described in Section 7 and 8 of this Agreement.

b . Form D; Blue Sky Laws. The Company shall, on or before the Closing Date, take such action as the Company shall reasonably determine is necessary to qualify the Securities for sale to the Buyer at the applicable closing pursuant to this Agreement under applicable securities or "blue sky" laws of the states of the United States (or to obtain an exemption from such qualification), and shall provide evidence of any such action so taken to the Buyer on or prior to the Closing Date.

c . Use of Proceeds. The Company shall use the proceeds from the sale of the Note for working capital and other general corporate purposes and shall not, directly or indirectly, use such proceeds for any loan to or investment in any other corporation, partnership, enterprise or other person (except in connection with its currently existing direct or indirect Subsidiaries).

d. [Intentionally Omitted.]

e . Expenses. The Company shall reimburse Buyer for any and all expenses incurred by them in connection with the negotiation, preparation, execution, delivery and performance of this Agreement and the other agreements to be executed in connection herewith ("Documents"), including, without limitation, reasonable attorneys' and consultants' fees and expenses, transfer agent fees, fees for stock quotation services, fees relating to any amendments or modifications of the Documents or any consents or waivers of provisions in the Documents, fees for the preparation of opinions of counsel, escrow fees, and costs of restructuring the transactions contemplated by the Documents. When possible, the Company must pay these fees directly, including, but not limited to, any and all wire fees, otherwise the Company must make immediate payment for reimbursement to the Buyer for all fees and expenses immediately upon written notice by the Buyer or the submission of an invoice by the Buyer. At Closing, the Company's obligation with respect to this transaction is to reimburse Buyer's legal expenses in the amount of \$2,750.00.

f . Financial Information. The Company agrees to send or make available the following reports to the Buyer until the Buyer transfers, assigns, or sells all of the Securities: (i) within ten (10) days after the filing with the SEC, a copy of its Annual Report on Form 10-K its Quarterly Reports on Form 10-Q and any Current Reports on Form 8-K; (ii) within one (1) day after release, copies of all press releases issued by the Company or any of its Subsidiaries; and (iii) contemporaneously with the making available or giving to the shareholders of the Company, copies of any notices or other information the Company makes available or gives to such shareholders. For the avoidance of doubt, filing the documents required in (i) above via EDGAR or releasing any documents set forth in (ii) above via a recognized wire service shall satisfy the delivery requirements of this Section 4(f).

g. Listing. The Company shall promptly secure the listing of the Conversion Shares upon each national securities exchange or automated quotation system, if any, upon which shares of Common Stock are then listed (subject to official notice of issuance) and, so long as the Buyer owns any of the Securities, shall maintain, so long as any other shares of Common Stock shall be so listed, such listing of all Conversion Shares from time to time issuable upon conversion of the Note. The Company will obtain and, so long as the Buyer owns any of the Securities, maintain the listing and trading of its Common Stock on the OTC Pink, OTCQB or any equivalent replacement exchange, the Nasdaq National Market ("Nasdaq"), the Nasdaq SmallCap Market ("Nasdaq SmallCap"), the New York Stock Exchange ("NYSE"), or the NYSE American and will comply in all respects with the Company's reporting, filing and other obligations under the bylaws or rules of the Financial Industry Regulatory Authority ("FINRA") and such exchanges, as applicable. The Company shall promptly provide to the Buyer copies of any material notices it receives from the OTC Pink, OTCQB and any other exchanges or quotation systems on which the Common Stock is then listed regarding the continued eligibility of the Common Stock for listing on such exchanges and quotation systems. The Company shall pay any and all fees and expenses in connection with satisfying its obligation under this Section 4(g).

h. Corporate Existence. So long as the Buyer beneficially owns any Note, the Company shall maintain its corporate existence and shall not sell all or substantially all of the Company's assets, except in the event of a merger or consolidation or sale of all or substantially all of the Company's assets, where the surviving or successor entity in such transaction (i) assumes the Company's obligations hereunder and under the agreements and instruments entered into in connection herewith and (ii) is a publicly traded corporation whose Common Stock is listed for trading on the OTC Pink, OTCQB, Nasdaq, NasdaqSmallCap, NYSE or AMEX.

i. No Integration. The Company shall not make any offers or sales of any security (other than the Securities) under circumstances that would require registration of the Securities being offered or sold hereunder under the 1933 Act or cause the offering of the Securities to be integrated with any other offering of securities by the Company for the purpose of any stockholder approval provision applicable to the Company or its securities.

j. Failure to Comply with the 1934 Act. So long as the Buyer beneficially owns the Note, the Company shall comply with the reporting requirements of the 1934 Act; and the Company shall continue to be subject to the reporting requirements of the 1934 Act.

k. Trading Activities. Neither the Buyer nor its affiliates has an open short position (or other hedging or similar transactions) in the common stock of the Company and the Buyer agree that it shall not, and that it will cause its affiliates not to, engage in any short sales of or hedging transactions with respect to the common stock of the Company.

l. Restriction on Activities. Commencing as of the date first above written, and until the sooner of the six month anniversary of the date first written above or payment of the Note in full, or full conversion of the Note, the Company shall not, directly or indirectly, without the Buyer's prior written consent, which consent shall not be unreasonably withheld: (a) change the nature of its business; (b) sell, divest, acquire, change the structure of any material assets other than in the ordinary course of business; or (c) solicit any offers for, respond to any unsolicited offers for, or conduct any negotiations with any other person or entity in respect of any variable rate debt transactions (i.e., transactions where the conversion or exercise price of the security issued by the Company varies based on the market price of the Common Stock) above \$500,000, whether a transaction similar to the one contemplated hereby or any other investment.

m. Legal Counsel Opinions. Upon the request of the Buyer from time to time, the Company shall be responsible (at its cost) for promptly supplying to the Company's transfer agent and the Buyer a customary legal opinion letter of its counsel (the "Legal Counsel Opinion") to the effect that the sale of Conversion Shares by the Buyer or its affiliates, successors and assigns is exempt from the registration requirements of the 1933 Act pursuant to Rule 144 (provided the requirements of Rule 144 are satisfied and provided the Conversion Shares are not then registered under the 1933 Act for resale pursuant to an effective registration statement). Should the Company's legal counsel fail for any reason to issue the Legal Counsel Opinion, the Buyer may (at the Company's cost) secure another legal counsel to issue the Legal Counsel Opinion, and the Company will instruct its transfer agent to accept such opinion.

n. Par Value. If the closing bid price at any time the Note is outstanding falls below \$0.0001, the Company shall cause the par value of its Common Stock to be reduced to \$0.0001 or less.

o. Breach of Covenants. The Company agrees that if the Company breaches any of the covenants set forth in this Section 4, and in addition to any other remedies available to the Buyer pursuant to this Agreement, it will be considered an Event of Default under Section 3.4 of the Note, the Company shall pay to the Buyer the Standard Liquidated Damages Amount in cash or in shares of Common Stock at the option of the Buyer, until such breach is cured, or with respect to Section 4(d) above, the Company shall pay to the Buyer the Standard Liquidated Damages Amount in cash or shares of Common Stock, at the option of the Buyer, upon each violation of such provision. If the Company elects to pay the Standard Liquidated Damages Amounts in shares of Common Stock, such shares shall be issued at the Conversion Price at the time of payment.

5. Transaction Expense Amount. Upon Closing, the Company shall pay Fifteen Thousand and 00/100 United States Dollars (US\$15,000.00) to Auctus Fund Management, LLC ("Auctus Management") to cover the Holder's due diligence, monitoring, and other transaction costs incurred for services rendered in connection herewith (the "Transaction Expense Amount"). The Transaction Expense Amount shall be offset against the proceeds of the Note and shall be paid to Auctus Management upon the execution hereof.

6 . Transfer Agent Instructions. The Company shall issue irrevocable instructions to its transfer agent to issue certificates, registered in the name of the Buyer or its nominee, for the Conversion Shares in such amounts as specified from time to time by the Buyer to the Company upon conversion of the Note in accordance with the terms thereof (the "Irrevocable Transfer Agent Instructions"). In the event that the Borrower proposes to replace its transfer agent, the Borrower shall provide, prior to the effective date of such replacement, a fully executed Irrevocable Transfer Agent Instructions in a form as initially delivered pursuant to the Purchase Agreement (including but not limited to the provision to irrevocably reserve shares of Common Stock in the Reserved Amount) signed by the successor transfer agent to Borrower and the Borrower. Prior to registration of the Conversion Shares under the 1933 Act or the date on which the Conversion Shares may be sold pursuant to Rule 144 without any restriction as to the number of Securities as of a particular date that can then be immediately sold, all such certificates shall bear the restrictive legend specified in Section 2(g) of this Agreement. The Company warrants that: (i) no instruction other than the Irrevocable Transfer Agent Instructions referred to in this Section, and stop transfer instructions to give effect to Section 2(f) hereof (in the case of the Conversion Shares, prior to registration of the Conversion Shares under the 1933 Act or the date on which the Conversion Shares may be sold pursuant to Rule 144 without any restriction as to the number of Securities as of a particular date that can then be immediately sold), will be given by the Company to its transfer agent and that the Securities shall otherwise be freely transferable on the books and records of the Company as and to the extent provided in this Agreement and the Note; (ii) it will not direct its transfer agent not to transfer or delay, impair, and/or hinder its transfer agent in transferring (or issuing) (electronically or in certificated form) any certificate for Conversion Shares to be issued to the Buyer upon conversion of or otherwise pursuant to the Note as and when required by the Note and this Agreement; and (iii) it will not fail to remove (or directs its transfer agent not to remove or impairs, delays, and/or hinders its transfer agent from removing) any restrictive legend (or to withdraw any stop transfer instructions in respect thereof) on any certificate for any Conversion Shares issued to the Buyer upon conversion of or otherwise pursuant to the Note as and when required by the Note and this Agreement. Nothing in this Section shall affect in any way the Buyer's obligations and agreement set forth in Section 2(g) hereof to comply with all applicable prospectus delivery requirements, if any, upon re-sale of the Securities. If the Buyer provides the Company, at the cost of the Buyer, with (i) an opinion of counsel reasonably satisfactory to the Company's transfer agent in form, substance and scope customary for opinions in comparable transactions, to the effect that a public sale or transfer of such Securities may be made without registration under the 1933 Act and such sale or transfer is effected or (ii) the Buyer provides reasonable assurances that the Securities can be sold pursuant to Rule 144, the Company shall permit the transfer, and, in the case of the Conversion Shares, promptly instruct its transfer agent to issue one or more certificates, free from restrictive legend, in such name and in such denominations as specified by the Buyer. The Company acknowledges that a breach by it of its obligations hereunder will cause irreparable harm to the Buyer, by vitiating the intent and purpose of the transactions contemplated hereby. Accordingly, the Company acknowledges that the remedy at law for a breach of its obligations under this Section may be inadequate and agrees, in the event of a breach or threatened breach by the Company of the provisions of this Section, that the Buyer shall be entitled, in addition to all other available remedies, to an injunction restraining any breach and requiring immediate transfer, without the necessity of showing economic loss and without any bond or other security being required.

7. CONDITIONS PRECEDENT TO THE COMPANY'S OBLIGATIONS TO SELL. The obligation of the Company hereunder to issue and sell the Note to the Buyer at the Closing is subject to the satisfaction, at or before the Closing Date of each of the following conditions thereto, provided that these conditions are for the Company's sole benefit and may be waived by the Company at any time in its sole discretion:

a. The Buyer shall have executed this Agreement and delivered the same to the Company.

b. The Buyer shall have delivered the Purchase Price in accordance with Section 1(b) above.

c. The representations and warranties of the Buyer shall be true and correct in all material respects as of the date when made and as of the Closing Date as though made at that time (except for representations and warranties that speak as of a specific date), and the Buyer shall have performed, satisfied and complied in all material respects with the covenants, agreements and conditions required by this Agreement to be performed, satisfied or complied with by the Buyer at or prior to the Closing Date.

d. No litigation, statute, rule, regulation, executive order, decree, ruling or injunction shall have been enacted, entered, promulgated or endorsed by or in any court or governmental authority of competent jurisdiction or any self-regulatory organization having authority over the matters contemplated hereby which prohibits the consummation of any of the transactions contemplated by this Agreement.

8. CONDITIONS PRECEDENT TO THE BUYER'S OBLIGATION TO PURCHASE. The obligation of the Buyer hereunder to purchase the Note at the Closing is subject to the satisfaction, at or before the Closing Date of each of the following conditions, provided that these conditions are for the Buyer's sole benefit and may be waived by the Buyer at any time in its sole discretion:

a. The Company shall have executed this Agreement and delivered the same to the Buyer.

b. The Company shall have delivered to the Buyer the duly executed Note (in such denominations as the Buyer shall request) and in accordance with Section 1(b) above.

c. The Irrevocable Transfer Agent Instructions, in form and substance satisfactory to a majority-in-interest of the Buyer, shall have been delivered to and acknowledged in writing by the Company's Transfer Agent.

d. The representations and warranties of the Company shall be true and correct in all material respects as of the date when made and as of the Closing Date as though made at such time (except for representations and warranties that speak as of a specific date) and the Company shall have performed, satisfied and complied in all material respects with the covenants, agreements and conditions required by this Agreement to be performed, satisfied or complied with by the Company at or prior to the Closing Date. The Buyer shall have received a certificate or certificates, executed by the chief executive officer of the Company, dated as of the Closing Date, to the foregoing effect and as to such other matters as may be reasonably requested by the Buyer including, but not limited to certificates with respect to the Company's Certificate of Incorporation, By-laws and Board of Directors' resolutions relating to the transactions contemplated hereby.

e. No litigation, statute, rule, regulation, executive order, decree, ruling or injunction shall have been enacted, entered, promulgated or endorsed by or in any court or governmental authority of competent jurisdiction or any self-regulatory organization having authority over the matters contemplated hereby which prohibits the consummation of any of the transactions contemplated by this Agreement.

f. No event shall have occurred which could reasonably be expected to have a Material Adverse Effect on the Company including but not limited to a change in the 1934 Act reporting status of the Company or the failure of the Company to be timely in its 1934 Act reporting obligations.

g. The Conversion Shares shall have been authorized for quotation on the OTC Pink, OTCQB or any similar quotation system and trading in the Common Stock on the OTC Pink, OTCQB or any similar quotation system shall not have been suspended by the SEC or the OTC Pink, OTCQB or any similar quotation system.

h. The Buyer shall have received an officer's certificate described in Section 3(c) above, dated as of the Closing Date.

9. GOVERNING LAW; MISCELLANEOUS.

a. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Nevada without regard to principles of conflicts of laws. Any action brought by either party against the other concerning the transactions contemplated by this Agreement, the Note or any other agreement, certificate, instrument or document contemplated hereby shall be brought only in the state courts of Massachusetts or in the federal courts located in the state of Massachusetts. The parties to this Agreement hereby irrevocably waive any objection to jurisdiction and venue of any action instituted hereunder and shall not assert any defense based on lack of jurisdiction or venue or based upon *forum non conveniens*. **EACH PARTY HEREBY IRREVOCABLY WAIVES ANY RIGHT IT MAY HAVE TO, AND AGREES NOT TO REQUEST, A JURY TRIAL FOR THE ADJUDICATION OF ANY DISPUTE HEREUNDER OR UNDER ANY OTHER TRANSACTION DOCUMENT OR IN CONNECTION WITH OR ARISING OUT OF THIS AGREEMENT, ANY OTHER TRANSACTION DOCUMENT OR ANY TRANSACTION CONTEMPLATED HEREBY OR THEREBY.** The prevailing party shall be entitled to recover from the other party its reasonable attorney's fees and costs. In the event that any provision of this Agreement or any other agreement delivered in connection herewith is invalid or unenforceable under any applicable statute or rule of law, then such provision shall be deemed inoperative to the extent that it may conflict therewith and shall be deemed modified to conform with such statute or rule of law. Any such provision which may prove invalid or unenforceable under any law shall not affect the validity or enforceability of any other provision of any agreement. Each party hereby irrevocably waives personal service of process and consents to process being served in any suit, action or proceeding in connection with this Agreement or any other Transaction Document by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to such party at the address in effect for notices to it under this Agreement and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any other manner permitted by law.

b. Counterparts; Signatures by Facsimile. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original but all of which shall constitute one and the same agreement and shall become effective when counterparts have been signed by each party and delivered to the other party. This Agreement, once executed by a party, may be delivered to the other party hereto by facsimile transmission of a copy of this Agreement bearing the signature of the party so delivering this Agreement.

c. Construction; Headings. This Agreement shall be deemed to be jointly drafted by the Company and the Buyer and shall not be construed against any person as the drafter hereof. The headings of this Agreement are for convenience of reference only and shall not form part of, or affect the interpretation of, this Agreement.

d. Severability. In the event that any provision of this Agreement is invalid or unenforceable under any applicable statute or rule of law, then such provision shall be deemed inoperative to the extent that it may conflict therewith and shall be deemed modified to conform with such statute or rule of law. Any provision hereof which may prove invalid or unenforceable under any law shall not affect the validity or enforceability of any other provision hereof.

e. Entire Agreement; Amendments. This Agreement, the Note and the instruments referenced herein contain the entire understanding of the parties with respect to the matters covered herein and therein and, except as specifically set forth herein or therein, neither the Company nor the Buyer makes any representation, warranty, covenant or undertaking with respect to such matters. No provision of this Agreement may be waived or amended other than by an instrument in writing signed by the majority in interest of the Buyer.



f . Notices. All notices, demands, requests, consents, approvals, and other communications required or permitted hereunder shall be in writing and, unless otherwise specified herein, shall be (i) personally served, (ii) deposited in the mail, registered or certified, return receipt requested, postage prepaid, (iii) delivered by reputable air courier service with charges prepaid, or (iv) transmitted by hand delivery, telegram, email, or facsimile, addressed as set forth below or to such other address as such party shall have specified most recently by written notice. Any notice or other communication required or permitted to be given hereunder shall be deemed effective (a) upon hand delivery or delivery by email or facsimile, with accurate confirmation generated by the transmitting facsimile machine, at the address or number designated below (if delivered on a business day during normal business hours where such notice is to be received), or the first business day following such delivery (if delivered other than on a business day during normal business hours where such notice is to be received) or (b) on the second business day following the date of mailing by express courier service, fully prepaid, addressed to such address, or upon actual receipt of such mailing, whichever shall first occur. The addresses for such communications shall be:

If to the Company, to:

Nuo Therapeutics, Inc.  
207A Perry Parkway, Suite 1  
Gaithersburg, MD 20877  
Attn: David Jordan  
E-mail: [djorden@nuot.com](mailto:djorden@nuot.com)

If to the Buyer:

Auctus Fund, LLC  
545 Boylston Street, 2nd Floor  
Boston, MA 02116  
Attn: Lou Posner  
Facsimile: (617) 532-6420

With a copy to (which copy shall not constitute notice):

Chad Friend, Esq., LL.M.  
Legal & Compliance, LLC  
330 Clematis Street, Suite 217  
West Palm Beach, FL 33401  
E-mail: [CFriend@LegalandCompliance.com](mailto:CFriend@LegalandCompliance.com)

Each party shall provide notice to the other party of any change in address.

g . Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the parties and their successors and assigns. Neither the Company nor the Buyer shall assign this Agreement or any rights or obligations hereunder without the prior written consent of the other. Notwithstanding the foregoing, subject to Section 2(f), the Buyer may assign its rights hereunder to any person that purchases Securities in a private transaction from the Buyer or to any of its "affiliates," as that term is defined under the 1934 Act, without the consent of the Company.

h. Third Party Beneficiaries. This Agreement is intended for the benefit of the parties hereto and their respective permitted successors and assigns, and is not for the benefit of, nor may any provision hereof be enforced by, any other person.

i . Survival. The representations and warranties of the Company and the agreements and covenants set forth in this Agreement shall survive the closing hereunder notwithstanding any due diligence investigation conducted by or on behalf of the Buyer. The Company agrees to indemnify and hold harmless the Buyer and all their officers, directors, employees and agents for loss or damage arising as a result of or related to any breach or alleged breach by the Company of any of its representations, warranties and covenants set forth in this Agreement or any of its covenants and obligations under this Agreement, including advancement of expenses as they are incurred.

j . Further Assurances. Each party shall do and perform, or cause to be done and performed, all such further acts and things, and shall execute and deliver all such other agreements, certificates, instruments and documents, as the other party may reasonably request in order to carry out the intent and accomplish the purposes of this Agreement and the consummation of the transactions contemplated hereby.

k. No Strict Construction. The language used in this Agreement will be deemed to be the language chosen by the parties to express their mutual intent, and no rules of strict construction will be applied against any party.

l . Remedies. The Company acknowledges that a breach by it of its obligations hereunder will cause irreparable harm to the Buyer by vitiating the intent and purpose of the transaction contemplated hereby. Accordingly, the Company acknowledges that the remedy at law for a breach of its obligations under this Agreement will be inadequate and agrees, in the event of a breach or threatened breach by the Company of the provisions of this Agreement, that the Buyer shall be entitled, in addition to all other available remedies at law or in equity, and in addition to the penalties assessable herein, to an injunction or injunctions restraining, preventing or curing any breach of this Agreement and to enforce specifically the terms and provisions hereof, without the necessity of showing economic loss and without any bond or other security being required.

m . Publicity. The Company, and the Buyer shall have the right to review a reasonable period of time before issuance of any press releases, SEC, OTCQB or FINRA filings, or any other public statements with respect to the transactions contemplated hereby; provided, however, that the Company shall be entitled, without the prior approval of the Buyer, to make any press release or SEC, OTCQB (or other applicable trading market) or FINRA filings with respect to such transactions as is required by applicable law and regulations (although the Buyer shall be consulted by the Company in connection with any such press release prior to its release and shall be provided with a copy thereof and be given an opportunity to comment thereon).

n . Indemnification. Subject to the provisions of this Section 9(n), the Company will indemnify and hold Buyer and its directors, officers, shareholders, members, partners, employees and agents (each, a "Buyer Party") harmless from any and all losses, liabilities, obligations, claims, contingencies, damages, costs and expenses, including all judgments, amounts paid in settlements, court costs and reasonable attorneys' fees and costs of investigation that any such Buyer Party may suffer or incur as a result of or relating to (a) any breach of any of the representations, warranties, covenants or agreements made by the Company in this Agreement or the Note, or any other agreement, certificate, instrument, or document contemplated hereby or thereby, (b) any action instituted against the Buyer Parties in any capacity, or any of them or their respective affiliates, by any stockholder of the Company who is not an affiliate of such Buyer Party, with respect to any of the transactions contemplated by this Agreement (unless such action is based upon a breach of such Buyer Party's representations, warranties or covenants under this Agreement or any agreements or understandings such Buyer Party may have with any such stockholder or any violations by such Buyer Party of state or federal securities laws or any conduct by such Buyer Party that constitutes fraud, gross negligence, willful misconduct or malfeasance) or (c) any untrue or alleged untrue statement of a material fact contained in any registration statement, any prospectus or any form of prospectus or in any amendment or supplement thereto or in any preliminary prospectus, or arising out of or relating to any omission or alleged omission of a material fact required to be stated therein or necessary to make the statements therein (in the case of any prospectus or supplement thereto, in light of the circumstances under which they were made) not misleading. If any action shall be brought against any Buyer Party in respect of which indemnity may be sought pursuant to this Agreement, such Buyer Party shall promptly notify the Company in writing, and the Company shall have the right to assume the defense thereof with counsel of its own choosing reasonably acceptable to the Buyer Party. Any Buyer Party shall have the right to employ separate counsel in any such action and participate in the defense thereof, but the fees and expenses of such counsel shall be at the expense of such Buyer Party except to the extent that (i) the employment thereof has been specifically authorized by the Company in writing, (ii) the Company has failed after a reasonable period of time to assume such defense and to employ counsel or (iii) in such action there is, in the reasonable opinion of counsel, a material conflict on any material issue between the position of the Company and the position of such Buyer Party, in which case the Company shall be responsible for the reasonable fees and expenses of no more than one such separate counsel. The Company will not be liable to any Buyer Party under this Agreement (y) for any settlement by a Buyer Party effected without the Company's prior written consent, which shall not be unreasonably withheld, conditioned, or delayed; or (z) to the extent that a loss, claim, damage or liability is attributable to any Buyer Party's breach of any of the representations, warranties, covenants or agreements made by such Buyer Party in this Agreement. The indemnification required by this Section 9.n. shall be made by periodic payments of the amount thereof during the course of the investigation or defense, as and when bills are received or are incurred. The indemnity agreements contained herein shall be in addition to any cause of action or similar right of any Buyer Party against the Company or others and any liabilities the Company may be subject to pursuant to law.

[signature page follows]

IN WITNESS WHEREOF, the undersigned Buyer and the Company have caused this Agreement to be duly executed as of the date first above written.

**NUO THERAPEUTICS, INC.**

By: /s/ David Jordan  
Name: David Jordan  
Title: Chief Executive Officer

**AUCTUS FUND, LLC**

By: /s/ Lou Posner  
Name: Lou Posner  
Title: Managing Director

AGGREGATE SUBSCRIPTION AMOUNT:

Aggregate Principal Amount of Note: US\$175,000.00

Aggregate Purchase Price: US\$175,000.00

**SECURITIES PURCHASE AGREEMENT**

This SECURITIES PURCHASE AGREEMENT (this "Agreement"), dated as of September 17, 2018, is entered into by and between NUO THERAPEUTICS, INC., a Delaware corporation (the "Company"), and EMA Financial, LLC, a Delaware limited liability company (the "Purchaser").

WHEREAS, subject to the terms and conditions set forth in this Agreement and pursuant to Section 4(a)(2) of the Securities Act of 1933, as amended (the "Securities Act" or "1933 Act"), and/or Rule 506 promulgated thereunder by the United States Securities and Exchange Commission (the "SEC"), the Company desires to issue and sell to the Purchaser, and the Purchaser desires to purchase from the Company a 12% Convertible Note of the Company, in the form attached hereto as Exhibit A, in the principal amount of \$175,000.00 (together with any note(s) issued in replacement thereof or as interest thereon or otherwise with respect thereto in accordance with the terms thereof, the "Note"), convertible into shares ("Conversion Shares") of common stock, \$0.0001 par value per share (the "Common Stock"), of the Company, upon the terms and subject to the limitations and conditions set forth in such Note.

NOW, THEREFORE, IN CONSIDERATION of the mutual covenants contained in this Agreement, and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the Company and the Purchaser agree as follows:

1. Purchase and Sale of Note.

a) Purchase of Note. On the Closing Date (as defined below), the Company shall issue and sell to the Purchaser, and the Purchaser agrees to purchase from the Company, the Note for an aggregate purchase price of \$164,250.00 ("Purchase Price"). Further, Company shall issue warrants to Buyer to purchase 233,333 shares of Common Stock.

b) Form of Payment. On the Closing Date (i) the Purchaser shall pay the Purchase Price by wire transfer of immediately available funds to the Company, in accordance with the Company's written wiring instructions, simultaneously with delivery of the Note, and (ii) the Company shall deliver such Note duly executed on behalf of the Company to the Purchaser, simultaneously with delivery of such Purchase Price.

c) Closing Date. Subject to the satisfaction (or written waiver) of the conditions thereto set forth in Section 8 and Section 9 below, the closing of the transactions contemplated by this Agreement (the "Closing") shall occur on the first business day following the date hereof or such other mutually agreed upon time (the "Closing Date")

2. Purchaser's Representations and Warranties. The Purchaser represents and warrants to the Company that:

a) Investment Purpose. Purchaser is acquiring the Note and the Conversion Shares (collectively, the "Securities") for its own account and not with a view towards, or for resale in connection with, the public sale or distribution thereof in violation of applicable securities laws and Purchaser is able to bear the economic risk of holding the Conversion Shares for an indefinite period (including total loss of its investment), and has sufficient knowledge and experience in financial and business matters so as to be capable of evaluating the merits and risk of its investment;; provided, however, by making the representations herein, Purchaser does not agree, or make any representation or warranty, to hold any of the Securities for any minimum or other specific term and reserves the right to dispose of the Securities at any time in accordance with or pursuant to a registration statement or an exemption under the 1933 Act. The Purchaser is acquiring the Securities hereunder in the ordinary course of its business. The Purchaser does not presently have any agreement or understanding, directly or indirectly, with any person to distribute any of the Securities in violation of applicable securities laws.

b) Accredited Investor Status. The Purchaser is an “accredited investor” as that term is defined in Rule 501(a) of Regulation D (an “Accredited Investor”).

c ) Reliance on Exemptions. The Purchaser understands that the Securities are being offered and sold to it in reliance upon specific exemptions from the registration requirements of United States federal and state securities laws and that the Company is relying upon the truth and accuracy of, and the Purchaser’s compliance with, the representations, warranties, agreements, acknowledgments and understandings of the Buyer set forth herein in order to determine the availability of such exemptions and the eligibility of the Purchaser to acquire the Securities.

d ) Information. The Purchaser and its advisors, if any, have been, and for so long as the Note remains outstanding will continue to be, furnished with all materials relating to the business, finances and operations of the Company and materials relating to the offer and sale of the Securities which have been reasonably requested by the Purchaser or its advisors. The Purchaser and its advisors, if any, have been, and for so long as the Note remains outstanding will continue to be, afforded the opportunity to ask questions of the Company. Notwithstanding the foregoing, the Company has not disclosed to the Purchaser any material nonpublic information and will not disclose such information unless such information is disclosed to the public prior to or promptly following such disclosure to the Purchaser. Neither such inquiries nor any other due diligence investigation conducted by Purchaser or any of its advisors or representatives shall modify, amend or affect Purchaser’s right to rely on the Company’s representations and warranties contained in Section 3 below.

e ) Governmental Review. The Buyer understands that no United States federal or state agency or any other government or governmental agency has passed upon or made any recommendation or endorsement of the Securities.

f) Transfer or Re-sale. The Buyer understands that (i) the sale or re-sale of the Securities has not been and is not being registered under the 1933 Act or any applicable state securities laws, and the Securities may not be transferred unless (a) the Securities are sold pursuant to an effective registration statement under the 1933 Act, (b) the Buyer shall have delivered to the Company, at the cost of the Buyer, an opinion of counsel reasonably satisfactory to the Company's transfer agent that shall be in form, substance and scope customary for opinions of counsel in comparable transactions to the effect that the Securities to be sold or transferred may be sold or transferred pursuant to an exemption from such registration, which opinion shall be accepted by the Company, (c) the Securities are sold or transferred to an "affiliate" (as defined in Rule 144 promulgated under the 1933 Act (or a successor rule) ("Rule 144")) of the Buyer who agrees in writing to sell or otherwise transfer the Securities only in accordance with this Section 2(f) and who is an Accredited Investor, (d) the Securities are sold pursuant to Rule 144, or (e) the Securities are sold pursuant to Regulation S under the 1933 Act (or a successor rule) ("Regulation S"), and the Buyer shall have delivered to the Company, at the cost of the Buyer, an opinion of counsel reasonably satisfactory to the Company's transfer agent that shall be in form, substance and scope customary for opinions of counsel in corporate transactions, which opinion shall be accepted by the Company; (ii) any sale of such Securities made in reliance on Rule 144 may be made only in accordance with the terms of said Rule and further, if said Rule is not applicable, any re-sale of such Securities under circumstances in which the seller (or the person through whom the sale is made) may be deemed to be an underwriter (as that term is defined in the 1933 Act) may require compliance with some other exemption under the 1933 Act or the rules and regulations of the SEC thereunder; and (iii) neither the Company nor any other person is under any obligation to register such Securities under the 1933 Act or any state securities laws or to comply with the terms and conditions of any exemption thereunder (in each case). Notwithstanding the foregoing or anything else contained herein to the contrary, the Securities may be pledged as collateral in connection with a bona fide margin account with a registered broker dealer or other loan or financing arrangement secured by the securities with a financial institution that is an "accredited investor" as defined in Rule 510(a) under the Securities Act.

g) Legends. The Buyer understands that the Note and, until such time as the Conversion Shares have been registered under the 1933 Act or may be sold pursuant to Rule 144 or Regulation S without any restriction as to the number of securities as of a particular date that can then be immediately sold, the Conversion Shares may bear a restrictive legend in substantially the following form (and a stop-transfer order may be placed against transfer of the certificates for such Securities):

**"NEITHER THE ISSUANCE AND SALE OF THE SECURITIES REPRESENTED BY THIS CERTIFICATE NOR THE SECURITIES INTO WHICH THESE SECURITIES ARE EXERCISABLE HAVE BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED (I) IN THE ABSENCE OF (A) AN EFFECTIVE REGISTRATION STATEMENT FOR THE SECURITIES UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR (B) AN OPINION OF COUNSEL (WHICH COUNSEL SHALL BE SELECTED BY THE HOLDER), IN A GENERALLY ACCEPTABLE FORM, THAT REGISTRATION IS NOT REQUIRED UNDER SAID ACT OR (II) UNLESS SOLD PURSUANT TO RULE 144 OR RULE 144A UNDER SAID ACT. NOTWITHSTANDING THE FOREGOING, THE SECURITIES MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT WITH A REGISTERED BROKER DEALER OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES WITH A FINANCIAL INSTITUTION THAT IS AN "ACCREDITED INVESTOR" AS DEFINED IN RULE 501(a) UNDER THE SECURITIES ACT."**

The legend set forth above shall be removed and the Company shall issue a certificate without such legend to the holder of any Security upon which it is stamped, if, unless otherwise required by applicable state securities laws, (a) such Security is registered for sale under an effective registration statement filed under the 1933 Act or otherwise may be sold pursuant to Rule 144 or Regulation S without any restriction as to the number of securities as of a particular date that can then be immediately sold, or (b) such holder provides the Company with an opinion of counsel reasonably satisfactory to the Company's transfer agent, in form, substance and scope customary for opinions of counsel in comparable transactions, to the effect that a public sale or transfer of such Security may be made without registration under the 1933 Act, which opinion shall be accepted by the Company so that the sale or transfer is effected. The Buyer agrees to sell all Securities, including those represented by a certificate(s) from which the legend has been removed, in compliance with applicable prospectus delivery requirements, if any.

h) Authorization; Enforcement. Buyer has all necessary company power and authority to enter into this Agreement, to carry out its obligations hereunder and to consummate the transactions contemplated hereby. This Agreement has been duly and validly authorized. This Agreement has been duly executed and delivered on behalf of the Buyer, and this Agreement constitutes a valid and binding agreement of the Buyer enforceable in accordance with its terms.

3 . Representations and Warranties of the Company. Except as disclosed by the Company in the publicly filed SEC Documents the Company represents and warrants to the Purchaser, as of the date hereof and the Closing Date, that:

a ) Organization and Qualification. The Company and each of its Subsidiaries (as defined below), if any, is a corporation duly organized, validly existing and in good standing under the laws of the jurisdiction in which it is incorporated, with full power and authority (corporate and other) to own, lease, use and operate its properties and to carry on its business as and where now owned, leased, used, operated and conducted. The SEC Documents set forth a list of all of the Subsidiaries of the Company and the jurisdiction in which each is incorporated. The Company and each of its Subsidiaries is duly qualified as a foreign corporation to do business and is in good standing in every jurisdiction in which its ownership or use of property or the nature of the business conducted by it makes such qualification necessary except where the failure to be so qualified or in good standing would not have a Material Adverse Effect. "Material Adverse Effect" means any material adverse effect on the business, operations, assets, financial condition or prospects of the Company or its Subsidiaries, if any, taken as a whole, or on the transactions contemplated hereby or by the agreements or instruments to be entered into in connection herewith. "Subsidiaries" means any corporation or other organization, whether incorporated or unincorporated, in which the Company owns, directly or indirectly, any equity or other ownership interest.



b) Authorization: Enforcement. (i) The Company has all requisite corporate power and authority to enter into and perform this Agreement and the Note and to consummate the transactions contemplated hereby and thereby and to issue the Securities, in accordance with the terms hereof and thereof, (ii) the execution and delivery of this Agreement and the Note by the Company and the consummation by it of the transactions contemplated hereby and thereby (including without limitation, the issuance of the Note and the issuance and reservation for issuance of the Conversion Shares issuable upon conversion and exercise thereof) have been duly authorized by the Company's Board of Directors and no further consent or authorization of the Company, its Board of Directors, or its shareholders is required, (iii) this Agreement has been duly executed and delivered by the Company by its authorized representative, and such authorized representative is the true and official representative with authority to sign this Agreement and the other documents executed in connection herewith and bind the Company accordingly, and (iv) this Agreement constitutes, and upon execution and delivery by the Company of the Note and each of such instruments will constitute, a legal, valid and binding obligation of the Company enforceable against the Company in accordance with its terms.

c) Capitalization. As of the date hereof, the authorized capital stock of the Company, and number of shares issued and outstanding, is as set forth in the Company's Current Report on Form 8-K filed September 5, 2018 reflecting an increase in the Company's authorized common shares. Except as disclosed in the SEC Documents no shares are reserved for issuance pursuant to the Company's stock option plans. Except as disclosed in the SEC Documents and Schedule 3(c), no shares are reserved for issuance pursuant to securities exercisable for, or convertible into or exchangeable for shares of Common Stock. All of such outstanding shares of capital stock are, or upon issuance will be, duly authorized, validly issued, fully paid and non-assessable. No shares of capital stock of the Company are subject to preemptive rights or any other similar rights of the shareholders of the Company or any liens or encumbrances imposed through the actions or failure to act of the Company. As of the effective date of this Agreement, and except as disclosed in the SEC Documents and Schedule 3(c), (i) there are no outstanding options, warrants, scrip, rights to subscribe for, puts, calls, rights of first refusal, agreements, understandings, claims or other commitments or rights of any character whatsoever relating to, or securities, notes or rights convertible into or exchangeable for any shares of capital stock of the Company or any of its Subsidiaries, or arrangements by which the Company or any of its Subsidiaries is or may become bound to issue additional shares of capital stock of the Company or any of its Subsidiaries, (ii) there are no agreements or arrangements under which the Company or any of its Subsidiaries is obligated to register the sale of any of its or their securities under the 1933 Act and (iii) there are no anti-dilution or price adjustment provisions contained in any security issued by the Company (or in any agreement providing rights to security holders) that will be triggered by the issuance of any of the Securities. The Company has furnished to the Purchaser true and correct copies of the Company's Certificate or Articles of Incorporation as in effect on the date hereof ("Formation Documents"), the Company's By-laws, as in effect on the date hereof (the "By-laws"), and the terms of all securities convertible into or exercisable for Common Stock of the Company and the material rights of the holders thereof in respect thereto.

d) Issuance of Shares. The Conversion Shares are duly authorized and reserved for issuance and, upon conversion of the Note, as the case may be, in accordance with their respective terms, will be validly issued, fully paid and non-assessable, and free from all taxes, liens, claims and encumbrances with respect to the issue thereof and shall not be subject to preemptive rights or other similar rights of shareholders of the Company and will not impose personal liability upon the holder thereof.

e) Acknowledgment of Dilution. The Company's executive officers and directors understand the nature of the Securities being sold hereby and recognize that the issuance of the Securities will have a potential dilutive effect on the equity holdings of other holders of the Company's equity or rights to receive equity of the Company. The Board of Directors of the Company has concluded, in its good faith business judgment that the issuance of the Securities is in the best interests of the Company. The Company specifically acknowledges that its obligation to issue the Conversion Shares upon conversion of the Notes is binding upon the Company and enforceable regardless of the dilution such issuance may have on the ownership interests of other stockholders of the Company or parties entitled to receive equity of the Company.

f) No Conflicts. The execution, delivery and performance of this Agreement, and the Note by the Company and the consummation by the Company of the transactions contemplated hereby and thereby (including, without limitation, the issuance and reservation for issuance of the Conversion Shares) will not (i) conflict with or result in a violation of any provision of the Formation Documents or By-laws, or (ii) violate or conflict with, or result in a breach of any provision of, or constitute a default (or an event which with notice or lapse of time or both could become a default) under, or give to others any rights of termination, amendment, acceleration or cancellation of, any agreement, indenture, patent, patent license or instrument to which the Company or any of its Subsidiaries is a party and that is not filed as an SEC Document or other document filed with the SEC, or (iii) result in a violation of any law, rule, regulation, order, judgment or decree (including federal and state securities laws and regulations and regulations of any self-regulatory organizations to which the Company or its securities are subject) applicable to the Company or any of its Subsidiaries or by which any property or asset of the Company or any of its Subsidiaries is bound or affected (except for such conflicts, defaults, terminations, amendments, accelerations, cancellations and violations as would not, individually or in the aggregate, have a Material Adverse Effect). Neither the Company nor any of its Subsidiaries is in violation of its Formation Documents, By-laws or other organizational documents and neither the Company nor any of its Subsidiaries is in default (and no event has occurred which with notice or lapse of time or both could put the Company or any of its Subsidiaries in default) under, and neither the Company nor any of its Subsidiaries has taken any action or failed to take any action that would give to others any rights of termination, amendment, acceleration or cancellation of, any agreement, indenture or instrument to which the Company or any of its Subsidiaries is a party or by which any property or assets of the Company or any of its Subsidiaries is bound or affected, except for possible defaults as would not, individually or in the aggregate, have a Material Adverse Effect. To the best of the Company's knowledge, the businesses of the Company and its Subsidiaries, if any, are not being conducted, and shall not be conducted so long as the Purchaser owns any of the Securities, in violation of any law, ordinance or regulation of any governmental entity. Except as specifically contemplated by this Agreement and as required under the 1933 Act and any applicable state securities laws, the Company is not required to obtain any consent, authorization or order of, or make any filing or registration with, any court, governmental agency, regulatory agency, self-regulatory organization or stock market or any third party in order for it to execute, deliver or perform any of its obligations under this Agreement and the Note in accordance with the terms hereof or thereof or to issue and sell the Securities in accordance with the terms hereof and thereof and to issue the Conversion Shares. All consents, authorizations, orders, filings and registrations which the Company is required to obtain pursuant to the preceding sentence have been obtained or effected on or prior to the date hereof. The Company is not in violation of the listing requirements of the Over-the-Counter Bulletin Board (the "OTCBB"), or OTCQB, and does not reasonably anticipate that the Common Stock will be delisted by the OTCBB, or OTCQB, in the foreseeable future. The Company and its Subsidiaries are unaware of any facts or circumstances which might give rise to any of the foregoing.

g) SEC Documents; Financial Statements. The Company has filed all reports, schedules, forms, statements and other documents required to be filed by it with the SEC (all of the foregoing filed prior to the date hereof and all exhibits included therein and financial statements and schedules thereto and documents (other than exhibits to such documents) incorporated by reference therein, being hereinafter referred to herein as the "SEC Documents"). Upon written request the Company will deliver to the Purchaser true and complete copies of the SEC Documents, except for such exhibits and incorporated documents. As of their respective dates, the SEC Documents complied in all material respects with the requirements of the Securities Exchange Act of 1934, as amended ("1934 Act" or "Exchange Act"), and none of the SEC Documents, at the time they were filed with the SEC, contained any untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading. None of the statements made in any such SEC Documents is, or has been, required to be amended or updated under applicable law (except for such statements as have been amended or updated in subsequent filings prior the date hereof). As of their respective dates, the financial statements of the Company included in the SEC Documents complied as to form in all material respects with applicable accounting requirements and the published rules and regulations of the SEC with respect thereto. Such financial statements have been prepared in accordance with United States generally accepted accounting principles, consistently applied, during the periods involved and fairly present in all material respects the consolidated financial position of the Company and its consolidated Subsidiaries as of the dates thereof and the consolidated results of their operations and cash flows for the periods then ended (subject, in the case of unaudited statements, to normal year-end audit adjustments). Except as set forth in the financial statements of the Company included in the SEC Documents, the Company has no liabilities, contingent or otherwise, other than (i) liabilities incurred in the ordinary course of business, and (ii) obligations under contracts and commitments incurred in the ordinary course of business and not required under generally accepted accounting principles to be reflected in such financial statements, which, individually or in the aggregate, are not material to the financial condition or operating results of the Company. The Company is subject to the reporting requirements of the 1934 Act.

h ) Absence of Certain Changes. Since December 31, 2017, there has been no material adverse change and no material adverse development in the assets, liabilities, business, properties, operations, financial condition, results of operations, prospects or 1934 Act reporting status of the Company or any of its Subsidiaries.

i) Absence of Litigation. There is no action, suit, claim, proceeding, inquiry or investigation before or by any court, public board, government agency, self-regulatory organization or body pending or, to the knowledge of the Company or any of its Subsidiaries, threatened against or affecting the Company or any of its Subsidiaries, or their officers or directors in their capacity as such, that could have a Material Adverse Effect. The public filings contain a complete list and summary description of any pending or, to the knowledge of the Company, threatened proceeding against or affecting the Company or any of its Subsidiaries, without regard to whether it would have a Material Adverse Effect. The Company and its Subsidiaries are unaware of any facts or circumstances which might give rise to any of the foregoing.

j) Patents, Copyrights, etc. The Company and each of its Subsidiaries owns or possesses the requisite licenses or rights to use all patents, patent applications, patent rights, inventions, know-how, trade secrets, trademarks, trademark applications, service marks, service names, trade names and copyrights ("Intellectual Property") necessary to enable it to conduct its business as now operated (and, as presently contemplated to be operated in the future). Except as disclosed in the SEC Documents, there is no claim or action by any person pertaining to, or proceeding pending, or to the Company's knowledge threatened, which challenges the right of the Company or of a Subsidiary with respect to any Intellectual Property necessary to enable it to conduct its business as now operated (and, as presently contemplated to be operated in the future); to the best of the Company's knowledge, the Company's or its Subsidiaries' current and intended products, services and processes do not infringe on any Intellectual Property or other rights held by any person and/or entity; and the Company is unaware of any facts or circumstances which might give rise to any of the foregoing. The Company and each of its Subsidiaries have taken reasonable security measures to protect the secrecy, confidentiality and value of their Intellectual Property.

k) No Materially Adverse Contracts, Etc. Neither the Company nor any of its Subsidiaries is subject to any charter, corporate or other legal restriction, or any judgment, decree, order, rule or regulation which in the judgment of the Company's officers has or is expected in the future to have a Material Adverse Effect. Neither the Company nor any of its Subsidiaries is a party to any contract or agreement which in the judgment of the Company's officers has or is expected to have a Material Adverse Effect.

l) Disclosure. No event or circumstance has occurred or exists with respect to the Company or any of its Subsidiaries or its or their business, properties, prospects, operations or financial conditions, which, under applicable law, rule or regulation, requires public disclosure or announcement by the Company but which has not been so publicly announced or disclosed.

m) Brokers. The Company has taken no action which would give rise to any claim **against the Purchaser** by any person for brokerage commissions, transaction fees or similar payments relating to this Agreement or the transactions contemplated hereby. The Company covenants and agrees that should any claim be made against Purchaser for any commission or other compensation by any broker, finder, person, firm or corporation, including without limitation, a broker, based upon the Company's engagement of such person in connection with this transaction, the Company shall indemnify, defend and hold Purchaser harmless from and against any and all damages, expenses (including attorneys' fees and disbursements) and liability arising from such claim. The Company shall pay the commission of the broker, to the attention of the broker, pursuant to their separate agreement(s) between the Company and the broker.

n) Permits; Compliance. Except as would not have a Material Adverse Effect, the Company and each of its Subsidiaries is in possession of all franchises, grants, authorizations, licenses, permits, easements, variances, exemptions, consents, certificates, approvals and orders necessary to own, lease and operate its properties and to carry on its business as it is now being conducted (collectively, the "Company Permits"), and there is no action pending or, to the knowledge of the Company, threatened regarding suspension or cancellation of any of the Company Permits. Neither the Company nor any of its Subsidiaries is in conflict with, or in default or violation of, any of the Company Permits, except for any such conflicts, defaults or violations which, individually or in the aggregate, would not reasonably be expected to have a Material Adverse Effect. Since December 31, 2017, neither the Company nor any of its Subsidiaries has received any notification with respect to possible conflicts, defaults or violations of applicable laws, except for notices relating to possible conflicts, defaults or violations, which conflicts, defaults or violations would not have a Material Adverse Effect.

o) Insurance. The Company and its Subsidiaries are insured by insurers of recognized financial responsibility against such losses and risks and in such coverage, amounts as are prudent and customary in the businesses in which the Company is engaged, including, but not limited to, directors and officer's insurance coverage with coverage amounts that are at least equal to the aggregate Purchase Price. Neither the Company nor any Subsidiary has any reason to believe that it will not be able to renew its existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue its business without a significant increase in cost.

p) No "Shell". As of the date of this Agreement the Company is an operating company and, either (i) is not or has never been a "shell issuer" as defined in Rule 144(i)(2) or (ii) at least 12 months have passed since the Company filed Form 10 Type information indicating it is not a "shell issuer" (and supporting the claim that it is no longer a shell company), filed all required reports for at least twelve consecutive months after the filing of the respective Form 10 information, and has therefore complied with Rule 144(i)(2).

q) Bad Actor. No officer or director of the Company would be disqualified under Rule 506(d) of the Securities Act as amended on the basis of being a "bad actor".

#### 4. COVENANTS.

a) Best Efforts. The parties shall use their commercially reasonable best efforts to satisfy timely each of the conditions described in Section 6 and 7 of this Agreement.

b) Form D; Blue Sky Laws. The Company agrees when applicable to timely file a Form D with respect to the Securities as required under Regulation D and to provide a copy thereof to the Purchaser promptly after such filing. The Company shall, on or before the Closing Date, take such action as the Company shall reasonably determine is necessary to qualify the Securities for sale to the Purchaser at the applicable closing pursuant to this Agreement under applicable securities or "blue sky" laws of the states of the United States (or to obtain an exemption from such qualification), and shall provide evidence of any such action so taken to the Purchaser on or prior to the Closing Date.

c) Use of Proceeds. The Company shall use the proceeds from the sale of the Securities for general corporate, and administrative purposes, as well as for continued execution of the Aurix CED study.

d) Financial Information. Upon written request of the Purchaser, the Company agrees to within (3) three days of the written request send or make available the following reports filed with the SEC or OTC Markets Group to the Purchaser: (i) a copy of its Annual Report and its Quarterly Reports and any Supplemental Reports; (ii) copies of all press releases issued by the Company or any of its Subsidiaries; and (iii) copies of any notices or other information the Company makes available or gives to such shareholders. Notwithstanding the foregoing, the Company shall not disclose any material nonpublic information to the Purchaser without its consent unless such information is disclosed to the public prior to or promptly following such disclosure to the Purchaser.

e) Listing. The Company will obtain and, so long as the Purchaser owns any of the Securities, maintain the listing and trading of its Common Stock on the OTCBB, and OTCQB, or any equivalent replacement exchange, the NASDAQ Stock Market ("NASDAQ"), the New York Stock Exchange ("NYSE"), or the NYSE MKT, f/k/a American Stock Exchange ("AMEX"), and will comply in all respects with the Company's reporting, filing and other obligations under the bylaws or rules of the Financial Industry Regulatory Authority ("FINRA") and such exchanges, as applicable. The Company shall promptly provide to the Purchaser copies of any notices it receives from the SEC, OTC Markets Group and any other exchanges or quotation systems on which the Common Stock is then listed regarding the continued eligibility of the Common Stock for listing on such exchanges and quotation systems, provided that it shall not provide any notices constituting material nonpublic information. If at any time while the Note is outstanding the Company fails to maintain the quotation on the OTCBB, and OTCQB or any equivalent exchange, or trading and of its Common Stock stops, ceases, or is suspended, or fails in any way to comply with the Company's reporting/ filing obligations such failure(s) will result in liquidated damages of fifteen thousand dollars (\$15,000), being immediately due and payable to Holder at its election in the form of cash payment or addition to the balance of the Note.

f) Corporate Existence. So long as the Purchaser beneficially owns any Securities, the Company shall maintain its corporate existence and shall not sell all or substantially all of the Company's assets, except in the event of a merger or consolidation or sale of all or substantially all of the Company's assets, where the surviving or successor entity in such transaction (i) assumes the Company's obligations hereunder and under the agreements and instruments entered into in connection herewith and (ii) is a publicly traded corporation whose Common Stock is listed for trading on OTC Markets, NASDAQ, NYSE or AMEX.

g) No Integration. The Company shall not make any offers or sales of any security (other than the Securities) under circumstances that would require registration of the Securities being offered or sold hereunder under the 1933 Act or cause the offering of the Securities to be integrated with any other offering of securities by the Company for the purpose of any stockholder approval provision applicable to the Company or its securities.

h) Securities Laws Disclosure: Publicity. The Company shall comply with applicable securities laws by filing a Current Report on Form 8-K, within four (4) Trading Days following the date hereof, disclosing all the material terms of the transactions contemplated hereby.

i) Non-Public Information. Except with respect to the material terms and conditions of the transactions contemplated by this Agreement, the Company covenants and agrees that neither it nor any other person acting on its behalf will provide the Purchaser or its agents or counsel with any information that the Company believes constitutes material non-public information, unless prior thereto the Purchaser shall have executed a written agreement regarding the confidentiality and use of such information. The Company understands and confirms that the Purchaser shall be relying on the foregoing covenant in effecting transactions in securities of the Company.

j) Subsidiaries. So long as the Note remains outstanding, the Company shall not transfer any assets or rights to any of its subsidiaries or permit any of its subsidiaries to engage in any significant business or operations, whether such subsidiaries are currently existing or hereafter created.

k) Insurance. So long as the Note remains outstanding, the Company and its Subsidiaries shall maintain in full force and effect insurance reasonably believed by the Company to be adequate coverage (a) on all assets and activities, covering property loss or damage and loss of income by fire or other hazards or casualty, and (b) against all liabilities, claims and risks for which it is customary for companies similarly situated to the Company to insure, including without limitation applicable product liability insurance, required workmen's compensation insurance, and other insurance covering injury or damage to persons or property, but excluding directors and officers insurance coverage. The Company shall promptly furnish or cause to be furnished evidence of such insurance to the Purchaser, in form and substance reasonably satisfactory to the Purchaser

l) [Intentionally Omitted].

m) Future Financings. So long as the Note is outstanding, upon any issuance by the Borrower or any of its subsidiaries of any security with any term more favorable to the holder of such security or with a term in favor of the holder of such security that was not similarly provided to the Holder in the Note, then the Borrower shall notify the Holder of such additional or more favorable term and such term, at Holder's option, shall become a part of the transaction documents with the Holder. The types of terms contained in another security that may be more favorable to the holder of such security include, but are not limited to, terms addressing conversion discounts, prepayment rate, conversion lookback periods, interest rates, original issue discounts, stock sale price, private placement price per share, and warrant coverage.

n) Piggyback Registration Rights. Borrower shall include on the next registration statement Borrower files with the SEC (or on the subsequent registration statement if such registration statement is withdrawn) all shares issuable upon conversion of the Note. Failure to do so will result in liquidated damages of ten percent (10%) of the outstanding principal amount of the Note, but not less than twenty-five thousand dollars (\$25,000), being immediately due and payable to Holder at its election in the form of cash payment or addition to the balance of the Note.

o ) Subsequent Placements. With the exception of transactions where the use of proceeds is to prepay the Note in accordance with the terms of Section 1.8 of the Note, and in addition to the requirements of Section 4(m) above and during the period commencing on the date hereof and ending 90 calendar days after the date hereof, neither the Company nor any of its Subsidiaries shall, directly or indirectly, effect any Subsequent Placement (as defined below) unless it obtains the prior written consent of the Purchaser. "Subsequent Placement" means any, direct or indirect, issuance, offer, sale, grant of any option or right to purchase, or otherwise disposition of (or announcement of any issuance, offer, sale, grant of any option or right to purchase or other disposition of) any equity or debt security or any equity-linked or related security (including, without limitation, any "equity security" (as that term is defined under Rule 405 promulgated under the 1933 Act), any Common Stock Equivalents, any preferred stock or any purchase rights) of the Company or any of its Subsidiaries, including, without limitation, pursuant to Section 3(a)(9) or Section 3(a)(10) of the 1933 Act.

5. Transfer Agent Instructions. Upon receipt of a duly executed Notice of Conversion, the Company shall issue irrevocable instructions to its transfer agent to issue certificates, registered in the name of the Purchaser or its nominee, for the Conversion Shares in such amounts as specified from time to time by the Purchaser to the Company upon conversion of the Note, or any part thereof, in accordance with the terms thereof (the "Irrevocable Transfer Agent Instructions"). In the event that the Company proposes to replace its transfer agent, the Company shall provide, prior to the effective date of such replacement, a fully executed Irrevocable Transfer Agent Instructions in a form as initially delivered pursuant to this Agreement and the Securities (including but not limited to the provision to irrevocably reserve shares of Common Stock in the Reserved Amount (as defined in the Note)) signed by the successor transfer agent (to the Company) and the Company. Prior to registration of the Conversion Shares under the 1933 Act or the date on which the Conversion Shares may be sold pursuant to Rule 144 without any restriction as to the number of Securities as of a particular date that can then be immediately sold, all such certificates shall bear the restrictive legend specified in Section 2(g) of this Agreement. The Company warrants that: (i) no instruction other than the Irrevocable Transfer Agent Instructions referred to in this Section 5, and stop transfer instructions to give effect to Section 2(f) hereof (in the case of the Conversion Shares, prior to registration of the Conversion Shares under the 1933 Act or the date on which the Conversion Shares may be sold pursuant to Rule 144 without any restriction as to the number of Securities as of a particular date that can then be immediately sold), will be given by the Company to its transfer agent and that the Securities shall otherwise be freely transferable on the books and records of the Company as and to the extent provided in this Agreement and the Note; (ii) it will not direct its transfer agent not to transfer or delay, impair, and/or hinder its transfer agent in transferring (or issuing)(electronically or in certificated form) any certificate for Conversion Shares to be issued to the Purchaser upon conversion of or otherwise pursuant to the Note as and when required by the Note and this Agreement; and (iii) it will not fail to remove (or direct its transfer agent not to remove or impair, delay, and/or hinder its transfer agent from removing) any restrictive legend (or to withdraw any stop transfer instructions in respect thereof) on any certificate for any Conversion Shares issued to the Purchaser upon conversion of or otherwise pursuant to the Note as and when required by the Note and this Agreement. Nothing in this Section shall affect in any way the Purchaser's obligations and agreement set forth in Section 2(g) hereof to comply with all applicable prospectus delivery requirements, if any, upon re-sale of the Securities. If the Purchaser provides the Company with (i) an opinion of counsel reasonably satisfactory to the Company's transfer agent in form, substance and scope customary for opinions in comparable transactions, to the effect that a public sale or transfer of such Securities may be made without registration under the 1933 Act and such sale or transfer is effected or (ii) the Purchaser provides reasonable assurances that the Securities can be sold pursuant to Rule 144, the Company shall permit the transfer, and, in the case of the Conversion Shares, promptly instruct its transfer agent to issue one or more certificates, free from restrictive legend, in such name and in such denominations as specified by the Purchaser. The Company acknowledges that a breach by it of its obligations hereunder will cause irreparable harm to the Purchaser, by vitiating the intent and purpose of the transactions contemplated hereby. Accordingly, the Company acknowledges that the remedy at law for a breach of its obligations under this Section 5 may be inadequate and agrees, in the event of a breach or threatened breach by the Company of the provisions of this Section, that the Purchaser shall be entitled, in addition to all other available remedies, to an injunction restraining any breach and requiring immediate transfer, without the necessity of showing economic loss and without any bond or other security being required.



6. Injunction Posting of Bond. In connection with any injunction sought or attempted by the Company, the Company shall be required to post a bond at least equal to the greater of either: (i) the outstanding principal amount of the Note; and (ii) the market value of the Conversion Shares sought to be converted, exercised or issued, based on the sale price per share of Common Stock on the principal market on which it is traded.

7. Legal Counsel Opinion. Upon the request of the Purchaser from time to time, the Company shall be responsible (at its cost) for promptly supplying to the Company's transfer agent and the Purchaser a customary legal opinion letter of its counsel (the "Legal Counsel Opinion") to the effect that the sale of Conversion Shares by the Purchaser or its affiliates, successors and assigns is exempt from the registration requirements of the 1933 Act pursuant to Rule 144 (provided the requirements of Rule 144 are satisfied and provided the Conversion Shares are not then registered under the 1933 Act for resale pursuant to an effective registration statement). Should the Company's legal counsel fail for any reason to issue the Legal Counsel Opinion, the Buyer may (at the Company's cost) secure another legal counsel to issue the Legal Counsel Opinion, and the Company will instruct its transfer agent to accept such opinion.

8. Delivery of Unlegended Shares.

a) Within three (3) business days (such third business day being the "**Unlegended Shares Delivery Date**") after the business day on which the Company has received (i) a notice that Conversion Shares, or any other Common Stock held by the Purchaser has been sold pursuant to a registration statement or Rule 144 under the 1933 Act, (ii) a representation that the prospectus delivery requirements, or the requirements of Rule 144, as applicable and if required, have been satisfied, (iii) the original share certificates representing the shares of Common Stock that have been sold, and (iv) in the case of sales under Rule 144, customary representation letters of the Purchaser and, if required, Purchaser's broker regarding compliance with the requirements of Rule 144, the Company at its expense, (y) shall deliver, and shall cause legal counsel selected by the Purchaser to deliver to its transfer agent (with copies to Purchaser) an appropriate instruction and opinion of such counsel, directing the delivery of shares of Common Stock without any legends including the legend set forth in Section 4(h) above (the "**Unlegended Shares**"); and (z) cause the transmission of the certificates representing the Unlegended Shares together with a legended certificate representing the balance of the submitted Common Stock certificate, if any, to the Purchaser at the address specified in the notice of sale, via express courier, by electronic transfer or otherwise on or before the Unlegended Shares Delivery Date.

The Company understands that a delay in the delivery of the Unlegended Shares later than the Unlegended Shares Delivery Date could result in economic loss to the Purchaser. As compensation to Purchaser for such loss, the Company agrees to pay late payment fees (as liquidated damages and not as a penalty) to the Purchaser for late delivery of Unlegended Shares in the amount of \$250.00 per business day after the Unlegended Shares Delivery Date. If during any three hundred and sixty (360) day period, the Company fails to deliver Unlegended Shares as required by this Section for an aggregate of thirty (30) days, then Purchaser or assignee holding Securities subject to such default may, at its option, require the Company to redeem all or any portion of the shares subject to such default at a price per share equal to the greater of (i) 200% of the most recent closing price of the Common Stock or (ii) the parity value of the Default Sum to be paid (as defined in Section 3.16 of the Note) ("**Unlegended Redemption Amount**"). The Company shall pay any payments incurred under this Section in immediately available funds upon demand.

9. Conditions to the Company's Obligation to Sell.

a) The obligation of the Company hereunder to issue and sell the Note to the Purchaser at the Closing is subject to the satisfaction, at or before the Closing Date of each of the following conditions provided that these conditions are for the Company's sole benefit and may be waived by the Company at any time in its sole discretion:

b) The Purchaser shall have executed this Agreement and delivered the same to the Company.

c) The Purchaser shall have delivered the Purchase Price to the Company.

d) The representations and warranties of the Purchaser shall be true and correct in all material respects as of the date when made and as of the Closing Date as though made at that time (except for representations and warranties that speak as of a specific date), and the Purchaser shall have performed, satisfied and complied in all material respects with the covenants, agreements and conditions required by this Agreement to be performed, satisfied or complied with by the Purchaser at or prior to the Closing Date.

e) No litigation, statute, rule, regulation, executive order, decree, ruling or injunction shall have been enacted, entered, promulgated or endorsed by or in any court or governmental authority of competent jurisdiction or any self-regulatory organization having authority over the matters contemplated hereby which prohibits the consummation of any of the transactions contemplated by this Agreement.

10. Conditions to The Purchaser's Obligation to Purchase. The obligation of the Purchaser hereunder to purchase the Note at the Closing is subject to the satisfaction, at or before the Closing Date of each of the following conditions, provided that these conditions are for the Purchaser's sole benefit and may be waived by the Purchaser at any time in its sole discretion:

a. The Company shall have executed this Agreement and delivered the same to the Purchaser.

b. The Company shall have delivered to the Purchaser the duly executed Note (in such denominations as the Purchaser shall request) in accordance with Section 1 above.

c. The Irrevocable Transfer Agent Instructions, in form and substance satisfactory to the Purchaser, shall have been delivered to and acknowledged in writing by the Company's Transfer Agent (a copy of which written acknowledgment shall be provided to Purchaser prior to Closing).

d. The representations and warranties of the Company shall be true and correct in all material respects as of the date when made and as of the Closing Date as though made at such time (except for representations and warranties that speak as of a specific date) and the Company shall have performed, satisfied and complied in all material respects with the covenants, agreements and conditions required by this Agreement to be performed, satisfied or complied with by the Company at or prior to the Closing Date. The Purchaser shall have received a certificate or certificates reasonably requested by the Purchaser including, but not limited to certificates with respect to the Company's Formation Documents, By-laws, and Board of Directors' resolutions relating to the transactions contemplated hereby.

e. No litigation, statute, rule, regulation, executive order, decree, ruling or injunction shall have been enacted, entered, promulgated or endorsed by or in any court or governmental authority of competent jurisdiction or any self-regulatory organization having authority over the matters contemplated hereby which prohibits the consummation of any of the transactions contemplated by this Agreement.

f. No event shall have occurred which could reasonably be expected to have a Material Adverse Effect on the Company including but not limited to a change in the 1934 Act reporting status of the Company or the failure of the Company to be timely in its 1934 Act reporting obligations.

g. The Conversion Shares shall have been authorized for quotation on the OTCBB, OTCQB, and trading of the Common Stock on the OTCBB, OTCQB, shall not have been suspended by the SEC or the OTC Markets Group.

11. Governing Law; Miscellaneous.

a) Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Delaware without regard to principles of conflicts of laws thereof or any other State. Any action brought by any party against any other party hereto concerning the transactions contemplated by this Agreement shall be brought only in the state courts of New York or in the federal courts located in the state and county of New York. The parties to this Agreement hereby irrevocably waive any objection to jurisdiction and venue of any action instituted hereunder and shall not assert any defense based on lack of jurisdiction or venue or based upon forum non conveniens. **The parties executing this Agreement and other agreements referred to herein or delivered in connection herewith on behalf of the Company agree to submit to the in personam jurisdiction of such courts and hereby irrevocably waive trial by jury.** The prevailing party shall be entitled to recover from the other party its reasonable attorney's fees and costs. In the event that any provision of this Agreement or any other agreement delivered in connection herewith is invalid or unenforceable under any applicable statute or rule of law, then such provision shall be deemed inoperative to the extent that it may conflict therewith and shall be deemed modified to conform with such statute or rule of law. Any such provision which may prove invalid or unenforceable under any law shall not affect the validity or enforceability of any other provision of any agreement. Each party hereto hereby irrevocably waives personal service of process and consents to process being served in any suit, action or proceeding in connection with this Agreement or any other transaction document contemplated hereby by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to such party at the address in effect for notices to it under this Agreement and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any other manner permitted by law.

b) Removal of Restrictive Legends. In the event that Purchaser has any shares of the Company's Common Stock bearing any restrictive legends, and Purchaser, through its counsel or other representatives, submits to the Transfer Agent any such shares for the removal of the restrictive legends thereon in connection with a sale of such shares pursuant to any exemption to the registration requirements under the Securities Act, and the Company and or its counsel refuses or fails for any reason (except to the extent that such refusal or failure is based solely on applicable law that would prevent the removal of such restrictive legends) to render an opinion of counsel or any other documents or certificates required for the removal of the restrictive legends, then the Company hereby agrees and acknowledges that the Purchaser is hereby irrevocably and expressly authorized to have counsel to the Purchaser render any and all opinions and other certificates or instruments which may be required for purposes of removing such restrictive legends, and the Company hereby irrevocably authorizes and directs the Transfer Agent to, without any further confirmation or instructions from the Company, issue any such shares without restrictive legends as instructed by the Purchaser, and surrender to a common carrier for overnight delivery to the address as specified by the Purchaser, certificates, registered in the name of the Purchaser or its designees, representing the shares of Common Stock to which the Purchaser is entitled, without any restrictive legends and otherwise freely transferable on the books and records of the Company.

c) Filing Requirements. From the date of this Agreement until the Notes are no longer outstanding, the Company will timely and voluntarily comply with all reporting requirements that are applicable to an issuer with a class of shares registered pursuant to Section 12(g) of the 1934 Act, whether or not the Company is then subject to such reporting requirements, and comply with all requirements related to any registration statement filed pursuant to this Agreement. The Company will use reasonable efforts not to take any action or file any document (whether or not permitted by the 1933 Act or the 1934 Act or the rules thereunder) to terminate or suspend such registration or to terminate or suspend its reporting and filing obligations under said acts until the Notes are no longer outstanding. The Company will maintain the quotation or listing of its Common Stock on the OTCBB, OTCQB, NYSE, or NASDAQ Stock Market (whichever of the foregoing is at the time the principal trading exchange or market for the Common Stock (the "**Principal Market**"), and will comply in all respects with the Company's reporting, filing and other obligations under the bylaws or rules of the Principal Market, as applicable. The Company will provide Purchaser with copies of all notices it receives notifying the Company of the threatened and actual delisting of the Common Stock from any Principal Market. As of the date of this Agreement and the Closing Date, the OTCQB, is the Principal Market. Until the Note is no longer outstanding, the Company will continue the listing or quotation of the Common Stock on a Principal Market and will comply in all respects with the Company's reporting, filing and other obligations under the bylaws or rules of the Principal Market.

d) Fees and Expenses. On or prior to the Closing, the Company shall pay or reimburse to Purchaser a non-refundable, non-accountable sum equal to \$4,200.00 as and for the fees, costs and expenses (including without limitation legal fees and disbursements and due diligence and administrative expenses) incurred by the Purchaser in connection with the Purchaser's due diligence and negotiation, preparation and execution of the Transaction Documents and consummation of the Transactions. The Purchaser may withhold and offset the balance of such amount from the payment of its Purchase Price otherwise payable hereunder at Closing, which offset shall constitute partial payment of such Purchase Price in an amount equal to such offset. Except as expressly set forth in this Agreement or the Note to the contrary, each party shall pay the fees and expenses of its advisers, counsel, accountants and other experts, if any, and all other expenses incurred by such party incident to the negotiation, preparation, execution, delivery and performance of this Agreement. The Company shall pay all transfer agent fees, stamp taxes and other taxes and duties levied in connection with the delivery of any Securities to the Purchaser.

e) Usury. To the extent it may lawfully do so, the Company hereby agrees not to insist upon or plead or in any manner whatsoever claim, and will resist any and all efforts to be compelled to take the benefit or advantage of, usury laws wherever enacted, now or at any time hereafter in force, in connection with any claim, action or proceeding that may be brought by the Purchaser in order to enforce any right or remedy under the Note. Notwithstanding any provision to the contrary contained in herein or under the Note, it is expressly agreed and provided that the total liability of the Company under the Note for payments in the nature of interest shall not exceed the maximum lawful rate authorized under applicable law (the "Maximum Rate"), and, without limiting the foregoing, in no event shall any rate of interest or default interest, or both of them, when aggregated with any other sums in the nature of interest that the Company may be obligated to pay under the Note or herein exceed such Maximum Rate. It is agreed that if the maximum contract rate of interest allowed by law and applicable to the Note is increased or decreased by statute or any official governmental action subsequent to the date hereof, the new maximum contract rate of interest allowed by law will be the Maximum Rate applicable to the Note from the effective date forward, unless such application is precluded by applicable law. If under any circumstances whatsoever, interest in excess of the Maximum Rate is paid by the Company to the Purchaser with respect to indebtedness evidenced by the Note, such excess shall be applied by the Purchaser to the unpaid principal balance of any such indebtedness or be refunded to the Company, the manner of handling such excess to be at the Purchaser's election.

f) Headings. The headings of this Agreement are for convenience of reference only and shall not form part of, or affect the interpretation of, this Agreement.

g) Severability. In the event that any provision of this Agreement is invalid or unenforceable under any applicable statute or rule of law, then such provision shall be deemed inoperative to the extent that it may conflict therewith and shall be deemed modified to conform with such statute or rule of law. Any provision hereof which may prove invalid or unenforceable under any law shall not affect the validity or enforceability of any other provision hereof.

h) . Entire Agreement; Amendments. This Agreement and the instruments referenced herein contain the entire understanding of the parties with respect to the matters covered herein and therein and, except as specifically set forth herein or therein, neither the Company nor the Purchaser makes any representation, warranty, covenant or undertaking with respect to such matters. No provision of this Agreement may be waived or amended other than by an instrument in writing signed by the Purchaser.

i) Notices. All notices, demands, requests, consents, approvals, and other communications required or permitted hereunder shall be in writing and, unless otherwise specified herein, shall be: (i) personally served, (ii) deposited in the mail, registered or certified, return receipt requested, postage prepaid, (iii) delivered by reputable air courier service with charges prepaid, or (iv) transmitted by hand delivery, telegram, email or facsimile, addressed as set forth below or to such other address as such party shall have specified most recently by written notice. Any notice or other communication required or permitted to be given hereunder shall be deemed effective (a) upon hand delivery or delivery by email or facsimile with accurate confirmation generated by the transmitting facsimile machine or computer, at the address, email address or facsimile number designated below (if delivered on a business day during normal business hours where such notice is to be received), or the first business day following such delivery (if delivered other than on a business day during normal business hours where such notice is to be received) or (b) on the second business day following the date of mailing by express courier service, fully prepaid, addressed to such address, or upon actual receipt of such mailing, whichever shall first occur. The addresses for such communications shall be:

Purchaser: EMA Financial, LLC  
40 Wall Street, 17<sup>th</sup> Floor  
New York, NY 10005  
Attn: Jamie Beitler  
jbeitler@emafin.com

Company: Nuo Therapeutics, Inc.  
207A Perry Parkway, Suite 1  
Gaithersburg, MD 20877  
Attn: David E. Jorden, CEO  
Email: djorden@nuot.com  
Fax: (240) 499-2690

Each party shall provide notice to the other party of any change in address.

j) Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the parties and their successors and assigns. Neither the Company nor the Purchaser shall assign this Agreement or any rights or obligations hereunder without the prior written consent of the other. Notwithstanding the foregoing, subject to Section 2(f), the Purchaser may assign its rights hereunder to any person that purchases Securities in a private transaction from the Purchaser or to any of its "affiliates," as that term is defined under the 1934 Act, without the consent of the Company.

k) Third Party Beneficiaries. This Agreement is intended for the benefit of the parties hereto and their respective permitted successors and assigns, and is not for the benefit of, nor may any provision hereof be enforced by, any other person.

l) Survival. The representations and warranties of the Company and the agreements and covenants set forth in this Agreement shall survive the Closing hereunder notwithstanding any due diligence investigation conducted by or on behalf of the Purchaser. The Company agrees to indemnify and hold harmless the Purchaser and all their officers, directors, employees and agents for loss or damage arising as a result of or related to any breach or alleged breach by the Purchaser of any of its representations, warranties and covenants set forth in this Agreement or any of its covenants and obligations under this Agreement, including advancement of expenses as they are incurred.

m) Further Assurances. Each party shall do and perform, or cause to be done and performed, all such further acts and things, and shall execute and deliver all such other agreements, certificates, instruments and documents, as the other party may reasonably request in order to carry out the intent and accomplish the purposes of this Agreement and the consummation of the transactions contemplated hereby.

n) No Strict Construction. The language used in this Agreement will be deemed to be the language chosen by the parties to express their mutual intent, and no rules of strict construction will be applied against any party.

o) Remedies. The Company acknowledges that a breach by it of its obligations hereunder will cause irreparable harm to the Purchaser by vitiating the intent and purpose of the transaction contemplated hereby. Accordingly, the Company acknowledges that the remedy at law for a breach of its obligations under this Agreement will be inadequate and agrees, in the event of a breach or threatened breach by the Company of the provisions of this Agreement, that the Purchaser shall be entitled, in addition to all other available remedies at law or in equity, and in addition to the penalties assessable herein, to an injunction or injunctions restraining, preventing or curing any breach of this Agreement and to enforce specifically the terms and provisions hereof, without the necessity of showing economic loss and without any bond or other security being required.

p) Counterparts. This Agreement may be executed in any number of counterparts, each of which when so executed and delivered shall be deemed to be an original and all of which together shall be deemed to be one and the same agreement. Any signature transmitted by facsimile, e-mail, or other electronic means shall be deemed to be an original signature

IN WITNESS WHEREOF, the undersigned Purchaser and the Company have caused this Agreement to be duly executed as of the date first above written.

**NUO THERAPEUTICS, INC.**

By:     /s/ David E. Jordan      
Name: David E. Jordan  
Title: CEO

**EMA FINANCIAL, LLC**

By:     /s/ Jamie Beitler      
Name: Jamie Beitler  
Title: Authorized Signatory

**GUARANTY**

Each of the undersigned subsidiaries of the Company jointly and severally, absolutely, unconditionally and irrevocably, guarantees to the Purchaser and their respective successors, indorsees, transferees and assigns, the prompt and complete payment and performance by the Company when due (whether at the stated maturity, by acceleration or otherwise) of all amounts due under, and all other obligations under, the Note. Each such subsidiary's liability under this Guaranty shall be unlimited, open and continuous for so long as this Guaranty remains in force.

**ALDAGEN, INC.**

By:     /s/ David Jorden      
Print Name: David Jorden  
Title: President