
**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): June 30, 2020

RESPIRERX PHARMACEUTICALS INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

1-16467
(Commission
File Number)

33-0303583
(I.R.S Employer
Identification No.)

126 Valley Road, Suite C
Glen Rock, New Jersey
(Address of principal executive offices)

07452
(Zip Code)

Registrant's telephone number, including area code: (201) 444-4947

(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))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
N/A	N/A	N/A

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

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.

Securities Purchase Agreement

On July 2, 2020 (the “Effective Date”), RespireRx Pharmaceuticals Inc. (the “Company”) and FirstFire Global Opportunities Fund LLC (the “Lender”) entered into a Securities Purchase Agreement (the “SPA”) by which the Lender provided a sum of \$125,000 (the “Consideration”) to the Company, in return for a convertible promissory note (the “Note”) with a face amount of \$137,500 (which difference in value as compared to the Consideration is due to an original issue discount of \$12,500), a common stock purchase warrant for 6,875,000 shares of the Company’s common stock (the “Warrant”), and the Confession of Judgment (as defined below), among other agreements and obligations. The net proceeds of the Consideration, which were received by the Company on July 6, 2020, equal \$121,000 after payment of \$4,000 in Lender’s legal fees, and will be used for general corporate purposes.

Under the terms of the SPA and the Note, the Lender must pay the Consideration at closing. The Note obligates the Company to pay interest at a rate of 10% per annum on any unpaid principal beginning on July 2, 2020, and to make five monthly amortization payments in the amount of \$30,250 each, with the first such payment due on December 2, 2020, and the final such payment, along with any unpaid principal and any accrued and unpaid interest and other fees, due April 2, 2021 (the “Maturity Date”). Any amount of principal or interest that is not paid when due bears interest at the rate of the lesser of 24% and the maximum amount permitted by law, from the due date to the date such amount is paid.

The Lender has the right, at any time, to convert any outstanding and unpaid amount of the Note into shares of the Company’s common stock or securities convertible into the Company’s common stock, provided that such conversion would not result in the Lender beneficially owning more than 4.99% of the Company’s then outstanding shares of common stock. Subject to certain limitations and adjustments as described in the Note, the Lender may convert at a per share conversion price equal to \$0.02 (the “Fixed Conversion Price”), provided that upon any Event of Default (as defined in the Note), the conversion price will equal the lower of (i) the Fixed Conversion Price, (ii) discount to market based upon subsequent financings with other investors, or (iii) 60% multiplied by the lowest traded price of the common stock of the Company during the twenty-one consecutive Trading Day (as defined in the Note) period immediately preceding the date of such conversion. Upon such conversion, all rights with respect to the portion of the Note being so converted terminate, except for the right to receive the Company’s common stock or other securities, cash or other assets as provided in the Note due upon such conversion.

The Company may, with prior written notice to the Lender, prepay the outstanding principal amount under the Note during the initial 180 day period after the Effective Date by making a payment to the Lender of an amount in cash equal to a certain percentage of the outstanding principal, interest, default interest and other amounts owed. Such percentage varies from 105% to 115% depending on the period in which the prepayment occurs, as set forth in the Note.

The SPA provides the lender with certain participation rights in any subsequent offering of debt or equity. Under the SPA, the Company may not enter into an offering of its securities with terms that would benefit an investor more than the Lender is benefited under the SPA and the agreements ancillary thereto, unless the Company offers the Lender those same terms. The SPA also grants the Lender certain registration rights.

The Warrant is a common stock purchase warrant to purchase 6,875,000 shares of the Company's common stock, for value received in connection with the issuance of the Note, from the date of issuance of the Warrant until September 30, 2023, at an exercise price of \$0.007 (subject to adjustment as provided therein) per share of common stock.

Additionally, the Company provided a confession of judgment (the "Confession of Judgment") in favor of the Lender for the amount of the Note plus fees and costs, to be filed pursuant to the terms and conditions of the SPA and the Note.

The Note and the shares of the Company's common stock issuable upon conversion thereof are offered and sold to the Lender in reliance upon specific exemptions from the registration requirements of United States federal and state securities laws, which include Section 4(a)(2) of the Securities Act of 1933, as amended (the "1933 Act"), and Rule 506(b) promulgated by the SEC under the 1933 Act. Pursuant to these exemptions, the Lender represented to the Company under the SPA, among other representations, that it was an "accredited investor" as that term is defined in Rule 501(a) of Regulation D under the 1933 Act.

The descriptions of the SPA, the Note, the Warrant and the additional associated documents do not purport to be complete. The descriptions of the SPA, the Note, and the Warrant are qualified in their entirety by reference to the SPA, the Note, and the Warrant, which are included as Exhibit 99.1, Exhibit 99.2, and Exhibit 99.3, respectively, to this Current Report on Form 8-K and are incorporated herein by reference.

Extension of Royalty Obligation under 2014 License Agreement with the University of Illinois Chicago

Under that certain Exclusive License Agreement, by and between the Company and the Board of Trustees of the University of Illinois, dated as of June 27, 2014, and previously filed as Exhibit 10.1 to the Company's Current Report on Form 8-K filed on July 1, 2014 (the "License Agreement"), the Company was obligated to make its annual royalty obligation payment of \$100,000 to the University of Illinois Chicago ("UIC") on June 30, 2020 (extended from the original due date of December 31, 2019).

On June 30, 2020, in response to the Company's request for a deadline extension with respect to its annual royalty obligation payment of \$100,000, UIC notified the Company that it was extending the deadline for the Company to make its annual royalty obligation payment of \$100,000 under the License Agreement to July 7, 2020.

On July 7, 2020, the Company fulfilled its obligation to make its annual royalty obligation payment of \$100,000 under the License Agreement.

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

The information provided in Item 1.01 of this Current Report on Form 8-K is incorporated by reference into this Item 2.03.

Item 3.02. Unregistered Sales of Equity Securities.

The information provided in Item 1.01 of this Current Report on Form 8-K under the heading “Securities Purchase Agreement” is incorporated by reference into this Item 3.02.

Item 9.01 Financial Statements and Exhibits

(d) Exhibits.

Exhibit Number	Exhibit Description
99.1	<u>Securities Purchase Agreement, dated July 2, 2020, between RespireRx Pharmaceuticals Inc. and FirstFire Global Opportunities Fund, LLC.</u>
99.2	<u>Convertible Promissory Note, dated July 2, 2020.</u>
99.3	<u>Common Stock Purchase Warrant, dated July 2, 2020.</u>

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.

Date: July 7, 2020

RESPIRERX PHARMACEUTICALS INC.
(Registrant)

By: /s/ Jeff E. Margolis

Jeff E. Margolis
SVP, CFO, Secretary and Treasurer

SECURITIES PURCHASE AGREEMENT

This **SECURITIES PURCHASE AGREEMENT** (the “Agreement”), dated as of July 2, 2020, by and between **RESPIRERX PHARMACEUTICALS, INC.**, a Delaware corporation, with headquarters located at 126 Valley Road, Suite C, Glen Rock, New Jersey 07452 (the “Company”), and **FIRSTFIRE GLOBAL OPPORTUNITIES FUND, LLC**, a Delaware limited liability company, with its address at 1040 First Avenue, Suite 190, New York, NY 10022 (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 Section 4(a)(2) of the Securities Act of 1933, as amended (the “1933 Act”) and Rule 506(b) promulgated by the United States Securities and Exchange Commission (the “SEC”) under the 1933 Act;

B. Buyer desires to purchase from the Company, and the Company desires to issue and sell to the Buyer, upon the terms and conditions set forth in this Agreement, a Convertible Promissory Note of the Company, in the aggregate principal amount of \$137,500.00 (as the principal amount thereof may be increased pursuant to the terms thereof, and 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, in the form attached hereto as Exhibit A, 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 the Note as is set forth immediately below its name on the signature pages hereto.

D. The Company wishes to issue and the Buyer wishes to accept a common stock purchase warrant to purchase 6,875,000 shares of Common Stock, in the form attached hereto as Exhibit B (the “Warrant”), to the Buyer as additional consideration for the purchase of the Note, as further provided herein.

NOW THEREFORE, in consideration of the foregoing and of the agreements and covenants herein contained, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Company and the Buyer 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, the Note and Warrant, as further provided herein.

b. Form of Payment. On the Closing Date: (i) the Buyer shall pay the purchase price of \$125,000.00 (the “Purchase Price”) for the Note, to be issued and sold to it at the Closing (as defined below), by wire transfer of immediately available funds to the Company, in accordance with the Company’s written wiring instructions, against delivery of the Note, 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. Warrant. In connection with the purchase of the Note hereunder, the Company shall issue to the Buyer, a Warrant substantially in the form attached hereto as Exhibit B.

c. Closing Date. Subject to the satisfaction (or written waiver) of the conditions thereto set forth in Section 6 and Section 7 below, the date and time of the issuance and sale of the Note pursuant to this Agreement (the “Closing Date”) shall be 4:00 PM, Eastern Time on the date first written above, or such other mutually agreed upon time.

d. Closing. 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 (including via exchange of electronic signatures).

2. Buyer’s Representations and Warranties. The Buyer represents and warrants to the Company as of the Closing Date that:

a. Investment Purpose. As of the Closing Date, the Buyer is purchasing the Note, the Warrant, the shares of Common Stock issuable upon conversion of or otherwise pursuant to the Note and such additional shares of Common Stock, if any, as are issuable on account of interest on the Note pursuant to this Agreement and/or upon exercise of the Warrant, such shares of Common Stock being collectively referred to herein as the “Conversion Shares” and, together, the Note, Warrant and Conversion Shares are referred to herein as the “Securities”) for its own account and not with a present view towards the public sale or distribution thereof, except pursuant to sales registered or exempted from registration under the 1933 Act, including pursuant to Regulation A thereunder; 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 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 regarding its business and affairs. Notwithstanding the foregoing, the Company has not disclosed to the Buyer any material nonpublic information regarding the Company or otherwise 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.

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 resale 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) such shares are included and sold in a qualified offering pursuant to Regulation A under the 1933 Act, (c) the Buyer shall have delivered to the Company, at the cost of the Company, an opinion of counsel (which may be the Legal Counsel Opinion (as defined below)) 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, (d) 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 to sell or otherwise transfer the Securities only in accordance with this Section 2(f) and who is an Accredited Investor, (e) the Securities are sold pursuant to Rule 144 or other applicable exemption, or (f) 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 Company, an opinion of counsel 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 in connection with a bona fide margin account or other lending arrangement secured by the Securities, and such pledge of Securities shall not be deemed to be a transfer, sale or assignment of the Securities hereunder, and the Buyer in effecting such pledge of Securities shall be not required to provide the Company with any notice thereof or otherwise make any delivery to the Company pursuant to this Agreement or otherwise.

g. Legends. The Buyer understands that until such time as any of the Note, Warrant, and, upon conversion of the Note and/or exercise of the Warrant in accordance with its respective terms, the Conversion Shares, have been registered under the 1933 Act or may be sold pursuant to Rule 144, Rule 144A under the 1933 Act, Regulation S, or other applicable exemption without any restriction as to the number of securities as of a particular date that can then be immediately sold, the Securities 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 CONVERTIBLE OR 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, (B) INCLUSION IN A QUALIFIED OFFERING PURSUANT TO REGULATION A UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR (C) 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, RULE 144A, REGULATION S, OR OTHER APPLICABLE EXEMPTION 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.”

The legend set forth above shall be removed and the Company shall issue a certificate for the applicable shares of Common Stock without such legend to the holder of any Security upon which it is stamped or (as requested by such holder) issue the applicable shares of Common Stock to such holder by electronic delivery by crediting the account of such holder's broker with The Depository Trust Company (“DTC”), if, unless otherwise required by applicable state securities laws, (a) such Security is registered for sale under an effective registration statement under the 1933 Act or qualified for sale pursuant to a qualified offering under Regulation A filed under the 1933 Act or otherwise may be sold pursuant to Rule 144, Rule 144A, Regulation S, or other applicable exemption without any restriction as to the number of securities as of a particular date that can then be immediately sold, or (b) the Company or the Buyer provides the Legal Counsel Opinion (as contemplated by and in accordance with Section 4(m) hereof) 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 Company shall be responsible for the fees of its transfer agent and all DTC fees associated with any such issuance. 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. In the event that the Company does not accept the opinion of counsel provided by the Buyer with respect to the transfer of Securities pursuant to an exemption from registration, such as Rule 144, Rule 144A, Regulation S, or other applicable exemption at the Deadline (as defined in the Note), it will be considered an Event of Default pursuant to Section 3.2 of the Note.

h. Authorization; Enforcement. This Agreement has been duly and validly authorized by the Buyer and 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, except as enforcement may be limited by bankruptcy, insolvency, reorganization, moratorium or other similar laws affecting creditors' rights generally and except as may be limited by the exercise of judicial discretion in applying principles of equity.

i. Residency. The Buyer is a resident of the jurisdiction set forth immediately below the Buyer's name on the signature pages hereto.

3. Representations and Warranties of the Company. The Company represents and warrants to the Buyer as of the Closing Date that:

a. Organization and Qualification. The Company has no Material Subsidiaries (as defined below). The Company 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 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, taken as a whole, or on the transactions contemplated hereby or by the agreements or instruments to be entered into in connection herewith. "Material Subsidiaries" means (i) any corporation or other organization, whether incorporated or unincorporated, in which the Company owns, directly or indirectly, a majority equity or other ownership interest providing for control; and (ii) has tangible assets in excess of \$1,000, material intangible assets or liabilities or debt in excess of \$1,000 or commitments and contingencies in excess of \$1,000.

b. Authorization; Enforcement. (i) The Company has all requisite corporate power and authority to enter into and perform this Agreement, the Note, the Warrant, 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, Warrant and the Conversion Shares by the Company and the consummation by it of the transactions contemplated hereby and thereby (including without limitation, the issuance of the Note, Warrant, as well as the issuance and reservation for issuance of the Conversion Shares issuable upon conversion of the Note and/or exercise of the Warrant) have been duly authorized by the Company's Board of Directors and no further consent or authorization of the Company, its Board of Directors, its shareholders, or its debt holders is required, (iii) this Agreement and the Note (together with any other instruments executed in connection herewith or therewith) have 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, the Note and the other instruments documents executed in connection herewith or therewith 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 their terms.

c. Capitalization; Governing Documents. As of March 31, 2020, the authorized capital stock of the Company consists of 65,000,000 authorized shares of Common Stock, of which 33,693,853 shares were issued and outstanding, and 37,500 authorized shares of Series B Preferred Stock, of which 11 were issued and outstanding. All of such outstanding shares of capital stock of the Company and the Conversion Shares, 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, other than as publicly announced prior to such date and reflected in the SEC filings of the Company (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 arrangements by which the Company is or may become bound to issue additional shares of capital stock of the Company, (ii) there are no agreements or arrangements under which the Company 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 Buyer 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.

d. Issuance of Conversion Shares. The Conversion Shares are duly authorized and reserved for issuance and, upon conversion of the Note in accordance with its terms and/or upon the exercise of the Warrant and receipt of the exercise price payable in accordance with its 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. Issuance of Warrant. The issuance of the Warrant is duly authorized and will be validly issued 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.

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

g. Ranking; No Conflicts. The Note shall be a senior debt obligation of the Company, with *pari passu* priority in payment and performance with all existing and future indebtedness of the Company. 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 Bylaws, 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, note, evidence of indebtedness, indenture, patent, patent license or instrument to which the Company 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 is subject) applicable to the Company or by which any property or asset of the Company 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), or (iv) trigger any anti-dilution and/or ratchet provision contained in any other contract in which the Company is a party thereto or any security issued by the Company. The Company is not in violation of its Certificate of Incorporation, By-laws or other organizational documents and the Company is not in default (and no event has occurred which with notice or lapse of time or both could put the Company in default) under, and the Company has not 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 is a party or by which any property or assets of the Company 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 is 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. 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 Note in accordance with the terms hereof and, upon conversion of the Note and/or exercise of the Warrant, issue 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. If the Company is listed on the Over-the-Counter Bulletin Board, the OTCQB Market, any principal market operated by OTC Markets Group, Inc. or any successor to such markets (collectively, the "Principal Market"), the Company is not in violation of the listing requirements of the Principal Market and does not reasonably anticipate that the Common Stock will be delisted by the Principal Market in the foreseeable future. The Company is unaware of any facts or circumstances which might give rise to any of the foregoing.

h. SEC Documents; Financial Statements. For the last twelve months, the Company has timely 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”). 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 March 31, 2020, 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. The Company has never been a “shell company” as described in Rule 144(i)(1)(i).

i. Absence of Certain Changes. Since March 31, 2020, 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.

j. 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, threatened against or affecting the Company, or their officers or directors in their capacity as such, that could have a Material Adverse Effect. The SEC Documents contain a complete list and summary description of any pending or, to the knowledge of the Company, threatened proceeding against or affecting the Company, without regard to whether it would have a Material Adverse Effect. The Company is unaware of any facts or circumstances which might give rise to any of the foregoing.

k. Intellectual Property. The Company 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); 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 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 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 has taken reasonable security measures to protect the secrecy, confidentiality and value of their Intellectual Property.

l. No Materially Adverse Contracts, Etc. The Company is not 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. The Company is a not 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.

m. Tax Status. The Company 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 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.

n. Transactions with Affiliates. Except for arm's length transactions pursuant to which the Company makes payments in the ordinary course of business upon terms no less favorable than the Company could obtain from third parties, including but not limited to repayment of advances to or on behalf of the Company, and other than the grant of stock options described in the SEC Documents, none of the officers, directors, or employees of the Company is presently a party to any transaction with the Company (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.

o. Disclosure. All information relating to or concerning the Company is 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 its 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).

p. Acknowledgment Regarding Buyer's Purchase of Securities. The Company acknowledges and agrees that the Buyer is acting solely in the capacity of arm's length purchaser 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's 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.

q. 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.

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

s. Permits; Compliance. The Company 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. The Company is not 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, 2019, the Company has not 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.

t. Environmental Matters.

(i) There are, to the Company's knowledge, with respect to the Company 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 the Company has not 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, and no Hazardous Materials were released on or about any real property previously owned, leased or used by the Company during the period the property was owned, leased or used by the Company, except in the normal course of the Company's business.

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

u. Title to Property. The Company has good and marketable title in fee simple to all real property and good and marketable title to all personal property owned by the Company which is material to the business of the Company, in each case free and clear of all liens, encumbrances and defects except such as are described in Schedule 3(u), if attached hereto, or such as would not have a Material Adverse Effect. Any real property and facilities held under lease by the Company is held under valid, subsisting and enforceable leases with such exceptions as would not have a Material Adverse Effect.

v. Insurance. The Company is 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 is engaged. The Company does not have 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.

w. Internal Accounting Controls. The Company maintains 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.

x. Foreign Corrupt Practices. Neither the Company, nor any director, officer, agent, employee or other person acting on behalf of the Company 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.

y. [Intentionally omitted.]

z. 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.

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

bb. No Disqualification Events. None of the Company, any of its predecessors, any affiliated issuer, any director, executive officer, other officer of the Company participating in the offering hereunder, any beneficial owner of 20% or more of the Company's outstanding voting equity securities, calculated on the basis of voting power, nor any promoter (as that term is defined in Rule 405 under the 1933 Act) connected with the Company in any capacity at the time of sale (each, an "Issuer Covered Person") is subject to any of the "Bad Actor" disqualifications described in Rule 506(d)(1)(i) to (viii) under the 1933 Act (a "Disqualification Event"), except for a Disqualification Event covered by Rule 506(d)(2) or (d)(3). The Company has exercised reasonable care to determine whether any Issuer Covered Person is subject to a Disqualification Event.

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. Bank Holding Company Act. The Company is not subject to the Bank Holding Company Act of 1956, as amended (the "BHCA") and to regulation by the Board of Governors of the Federal Reserve System (the "Federal Reserve"). Neither the Company nor any affiliates owns or controls, directly or indirectly, five percent (5%) or more of the outstanding shares of any class of voting securities or twenty-five percent (25%) or more of the total equity of a bank or any entity that is subject to the BHCA and to regulation by the Federal Reserve. Neither the Company nor any affiliates exercises a controlling influence over the management or policies of a bank or any entity that is subject to the BHCA and to regulation by the Federal Reserve.

ee. Illegal or Unauthorized Payments; Political Contributions. Neither the Company nor to the Company's knowledge, any of the officers, directors, employees, agents or other representatives of the Company or any other business entity or enterprise with which the Company is or has been affiliated or associated, has, directly or indirectly, made or authorized any payment, contribution or gift of money, property, or services, whether or not in contravention of applicable law, (i) as a kickback or bribe to any person or (ii) to any political organization, or the holder of or any aspirant to any elective or appointive public office except for personal political contributions not involving the direct or indirect use of funds of the Company.

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, it will be considered an Event of Default under Section 3.4 of the Note.

4. ADDITIONAL COVENANTS, AGREEMENTS AND ACKNOWLEDGEMENTS.

a. Best Efforts. The parties shall use their 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 to file a Form D with respect to the Securities as required under Regulation D and to provide a copy thereof to the Buyer 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 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 for business development, and not for the repayment of any indebtedness owed to officers, directors or employees of the Company or their affiliates or in violation or contravention of any applicable law, rule or regulation.

d. Right of Participation in Subsequent Offerings.

i. From the date first written above until the date which is nine (9) calendar months after the date first above written, the Company will not, (A) directly or indirectly, offer, sell, grant any option to purchase, or otherwise dispose of (or announce any offer, sale, grant or any option to purchase or other disposition of) any of its debt, equity or equity equivalent securities, including without limitation any debt, preferred shares or other instrument or security that is, at any time during its life and under any circumstances, convertible into or exchangeable or exercisable for Common Stock (any such offer, sale, grant, disposition or announcement being referred to as a "Subsequent Placement") or (B) enter into any definitive agreement with regard to the foregoing, in each case unless the Company shall have first complied with this Section 4(d). Notwithstanding the foregoing, the Company may (x) enter into any transaction or arrangement structured in accordance with, based upon, or related or pursuant to, in whole or in part, either Section 3(a)(9) or Section 3(a)(10) of the 1933 Act with officers, directors and other employees with respect to forgiveness of accrued compensation for equity or equity-linked securities, as well as similar transactions with vendors, contractors, service providers, agents ("Vendors") with respect to accounts payable and accrued expenses owed to such Vendors as well as note holders with notes outstanding prior to the date of this Agreement, (y) enter into an offering of up to two million dollars (\$2,000,000.00) pursuant to an equity line arrangement, and (z) conduct an offering on Form 1-A (Regulation A Offering), in each case without having first complied with this Section 4(d), and such transactions described in Section 4(d)(x), (y), and (z) do not fall within the definition of Subsequent Placements.

ii. The Company shall deliver to the Buyer an irrevocable written notice (the “Offer Notice”) of any proposed or intended issuance or sale or exchange (the “Offer”) of the securities being offered (the “Offered Securities”) in a Subsequent Placement, which Offer Notice shall (w) identify and describe the Offered Securities, (x) describe the price and other terms upon which they are to be issued, sold or exchanged, and the number or amount of the Offered Securities to be issued, sold or exchanged, (y) identify the persons or entities (if known) to which or with which the Offered Securities are to be offered, issued, sold or exchanged and (z) offer to issue and sell to or exchange with the Buyer the greater of (i) at least one hundred percent (100%) of the Offered Securities (the “Subscription Amount”); or (ii) the principal amount of the Note issued hereunder.

iii. To accept an Offer, in whole or in part, the Buyer must deliver a written notice to the Company prior to the end of the tenth (10th) business day after the Buyer’s receipt of the Offer Notice (the “Offer Period”), setting forth the portion of the Subscription Amount that the Buyer elects to purchase (the “Notice of Acceptance”). The Company shall have ten (10) business days from the expiration of the Offer Period to complete the Subsequent Placement and in connection therewith to issue and sell the Subscription Amount to the Buyer but only upon terms and conditions (including, without limitation, unit prices and interest rates) that are not more favorable to the Buyer or less favorable to the Company than those set forth in the Offer Notice. Following such ten (10) business day period, the Company shall publicly announce either (A) the consummation of the Subsequent Placement or (B) the termination of the Subsequent Placement.

iv. Notwithstanding anything to the contrary contained herein, if the Company desires to modify or amend the terms and conditions of the Offer prior to the expiration of the Offer Period, the Company shall deliver to the Buyer a new Offer Notice and the Offer Period shall expire on the tenth (10th) business day after the Buyer’s receipt of such new Offer Notice.

v. If by the fifteenth (15th) business day following delivery of the Offer Notice no public disclosure regarding a transaction with respect to the Offered Securities has been made, and no notice regarding the abandonment of such transaction has been received by the Buyer, such transaction shall be deemed to have been abandoned and the Buyer shall not be deemed to be in possession of any material, non-public information with respect to the Company.

As used in this Agreement, 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.

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 action or proceeding that may be brought by the Buyer in order to enforce any right or remedy under this Agreement, the Note and any document, agreement or instrument contemplated thereby. Notwithstanding any provision to the contrary contained in this Agreement, the Note and any document, agreement or instrument contemplated thereby, it is expressly agreed and provided that the total liability of the Company under this Agreement, the Note or any document, agreement or instrument contemplated thereby for payments which under applicable law are 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 which under applicable law in the nature of interest that the Company may be obligated to pay under this Agreement, the Note and any document, agreement or instrument contemplated thereby exceed such Maximum Rate. It is agreed that if the maximum contract rate of interest allowed by law applicable to this Agreement, the Note and any document, agreement or instrument contemplated thereby 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 this Agreement, the Note and any document, agreement or instrument contemplated thereby from the effective date thereof 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 Buyer with respect to indebtedness evidenced by this Agreement, the Note and any document, agreement or instrument contemplated thereby, such excess shall be applied by the Buyer 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 Buyer’s election.

f. Restriction on Activities. Commencing as of the date first above written, and until the earlier of 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; or (b) sell, divest, acquire, change the structure of any material assets other than in the ordinary course of business.

g. Listing. The Company will, so long as the Buyer owns any of the Securities, maintain the listing and trading of its Common Stock on the Principal Market or any equivalent replacement exchange or electronic quotation system (including but not limited to the Pink Sheets electronic quotation system) 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 notices it receives from the Principal Market and any other exchanges or electronic quotation systems on which the Common Stock is then traded regarding the continued eligibility of the Common Stock for listing on such exchanges and quotation systems.

h. Corporate Existence. The Company will, so long as the Buyer beneficially owns any of the Securities, 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 or quotation on the Principal Market, any tier of the NASDAQ Stock Market, the New York Stock Exchange or the NYSE MKT.

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. Breach of Covenants. The Company acknowledges and agrees that if the Company breaches any of the covenants set forth in this Section 4, 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.

k. Compliance with 1934 Act; Public Information Failures. For so long as the Buyer beneficially owns the Note, Warrant, or any Conversion Shares, 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. During the period that the Buyer beneficially owns the Note, if the Company shall (i) fail for any reason to satisfy the requirements of Rule 144(c)(1), including, without limitation, the failure to satisfy the current public information requirements under Rule 144(c) or (ii) if the Company has ever been an issuer described in Rule 144(i)(1)(i) or becomes such an issuer in the future, and the Company shall fail to satisfy any condition set forth in Rule 144(i)(2) (each, a "Public Information Failure") then, as partial relief for the damages to the Buyer by reason of any such delay in or reduction of its ability to sell the Securities (which remedy shall not be exclusive of any other remedies available pursuant to this Agreement, the Note, or at law or in equity), the Company shall pay to the Buyer an amount in cash equal to three percent (3%) of the Purchase Price on each day of a Public Information Failure and on every thirtieth day (pro-rated for periods totaling less than thirty days) thereafter until the date such Public Information Failure is cured. The payments to which a holder shall be entitled pursuant to this Section 4(k) are referred to herein as "Public Information Failure Payments." Public Information Failure Payments shall be paid on the earlier of (i) the last day of the calendar month during which such Public Information Failure Payments are incurred and (iii) the third business day after the event or failure giving rise to the Public Information Failure Payments is cured. In the event the Company fails to make Public Information Failure Payments in a timely manner, such Public Information Failure Payments shall bear interest at the rate of eight percent (8%) per month (prorated for partial months) until paid in full. Notwithstanding anything to the contrary herein, in connection with the duration of any Public Information Failure, the aggregate amount of Public Information Failure Payments, including the amount of any interest due thereon, shall not exceed \$5,000.

l. Acknowledgement Regarding Buyer's Trading Activity. The Company acknowledges and agrees that during any time while this Agreement is outstanding, the Buyer may engage in various activities related to the Company's Common Stock consistent with being a trader, as that term is commonly recognized. The Company acknowledges that such trading activities do not constitute a breach of this Agreement or any of the documents executed in connection herewith.

m. Disclosure of Transactions and Other Material Information. By 9:00 a.m., New York time, following the date this Agreement has been fully executed, the Company shall file a Current Report on Form 8-K describing the terms of the transactions contemplated by this Agreement in the form required by the 1934 Act and attaching this Agreement, the form of Note (the "8-K Filing"). From and after the filing of the 8-K Filing with the SEC, the Buyer shall not be in possession of any material, nonpublic information received from the Company or any of its officers, directors, employees or agents that is not disclosed in the 8-K Filing. In addition, effective upon the filing of the 8-K Filing, the Company acknowledges and agrees that any and all confidentiality or similar obligations under any agreement, whether written or oral, between the Company or any of its officers, directors, affiliates, employees or agents, on the one hand, and the Buyer or any of its affiliates, on the other hand, shall terminate.

n. Legal Counsel Opinions. Upon the request of the Buyer from time to time and subject to certain appropriate representations made by the Buyer, 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 resale of the 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) or other applicable exemption (provided the requirements of such other applicable exemption are satisfied). 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. The Company hereby agrees that it has never taken the position that it is a "shell company" in connection with its obligations under this Agreement or otherwise.

o. Piggyback Registration Rights. The Company hereby grants to the Buyer the registration rights set forth on Exhibit C hereto.

p. Most-Favored Nation. While the Note or any principal amount, interest or fees or expenses due thereunder remain outstanding and unpaid, the Company shall not enter into any public or private offering of its securities (including securities convertible into shares of Common Stock) with any individual or entity (an "Other Investor") that has the effect of establishing rights or otherwise benefiting such Other Investor in a manner more favorable, in the aggregate, than the rights and benefits, in the aggregate, established in favor of the Buyer by this Agreement or the Note unless, in any such case, the Buyer has been provided with such rights and benefits pursuant to a definitive written agreement or agreements between the Company and the Buyer. In the event the Company enters into an offering with an Other Investor, and the terms thereof, in the aggregate, are more favorable to the Other Investor and the Company fails to notify Buyer, the terms of this Agreement and the Note shall be amended to give the Buyer more favorable terms such that the terms are, in the aggregate, as favorable as those with the Other Investor. Notwithstanding the foregoing, an offering of up to two million dollars (\$2,000,000.00) pursuant to an equity line arrangement and an offering on Form 1-A (Regulation A Offering) shall be excepted from this Section 4(p).

q. Brokerage Account Restrictions. If the Common Stock issued upon conversion of the Note cannot be delivered to any brokerage account of the Buyer, or any brokerage account that could be opened by the Buyer, as a result of restrictions imposed by such brokerage firm, then the Company agrees to take any such action required, including but not limited to a reverse stock split, to remove any such restrictions on depositing the Common Stock into such brokerage account or to satisfy any requirement for deposit of the Common Stock into such brokerage account.

r. Non-Public Information. The Company covenants and agrees that neither it, nor any other person acting on its behalf will provide the Buyer or its agents or counsel with any information that constitutes, or the Company reasonably believes constitutes, material non-public information, unless prior thereto the Buyer shall have consented to the receipt of such information and agreed with the Company to keep such information confidential. The Company understands and confirms that the Buyer shall be relying on the foregoing covenant in effecting transactions in securities of the Company. To the extent that the Company delivers any material, non-public information to the Buyer without such Buyer's consent, the Company hereby covenants and agrees that such Buyer shall not have any duty of confidentiality to the Company or any of its officers, directors, agents, employees or affiliates, not to trade on the basis of, such material, non-public information, provided that the Buyer shall remain subject to applicable law. To the extent that any notice provided, information provided, or any other communications made by the Company, to the Buyer, constitutes or contains material non-public information regarding the Company, the Company shall simultaneously, or as soon as practicable thereafter, file such notice or other material information with the SEC pursuant to a Current Report on Form 8-K or such other form of filing that may be available to the Company. In addition to any other remedies provided by this Agreement or the related transaction documents, if the Company provides any material non-public information to the Buyer without their prior written consent, and it fails to immediately (no later than that business day), or as soon as practicable thereafter, file a Form 8-K disclosing this material non-public information, it shall pay the Buyer as partial liquidated damages and not as a penalty a sum equal to \$3,000 per day beginning with the day the information is disclosed to the Buyer and ending and including the day the Form 8-K disclosing this information is filed. Notwithstanding anything to the contrary herein, disclosure of information by the Company to the Buyer or its representatives regarding the proposed filing of a Registration Statement, Offering Circular or Supplement as described in Exhibit C hereto, and any other information related thereto, shall not be subject to this Section 4(r).

s. D&O Insurance. If insurance described in this Section 4(t) is not already in effect at the date of this Agreement, then within sixty (60) calendar days of the Closing, the Company shall purchase director and officer insurance on behalf of the Company's officers and directors for a period of at least nine (9) months after the Closing with respect to any losses, claims, damages, liabilities, costs and expense in connection with any actual or threatened claim or proceeding that is based on, or arises out of their status as a director or officer of the Company.

t. Trading Activities. Neither the Buyer nor its affiliates has an open short position in the common stock of the Company and the Buyer agrees 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 during the term of the Note.

5. Transfer Agent Instructions. The Company shall issue irrevocable instructions to the Company's transfer agent to issue certificates, registered in the name of the Buyer or its nominee, upon conversion of the Note or the exercise of the Warrant, for the Conversion Shares, in such amounts as specified from time to time by the Buyer to the Company 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 (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, Rule 144A, Regulation S, or other applicable exemption 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 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 Securities 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; (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 Securities issued to the Buyer upon conversion of or otherwise pursuant to the Note as and when required by the Note and this Agreement and (iv) it will provide any required issuance approvals to its transfer agent within six (6) business hours of each conversion of the Note. 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 Company, with (i) an opinion of counsel 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, Rule 144A, Regulation S, or other applicable exemption, the Company shall permit the transfer, and, in the case of the Securities, 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 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 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.

6. Conditions to the Company's Obligation 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.

7. Conditions to The Buyer's Obligation to Purchase. The obligation of the Buyer hereunder to purchase the Note, on the Closing Date, 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 Company shall have issued to the Buyer the Warrant.

d. The Irrevocable Transfer Agent Instructions, in form and substance satisfactory to the Buyer, shall have been delivered to and acknowledged in writing by the Company's Transfer Agent.

e. 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 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.

f. 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.

g. 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.

h. Trading in the Common Stock on the Principal Market shall not have been suspended by the SEC, FINRA or the Principal Market.

i. The Company shall have delivered to the Buyer (i) a certificate evidencing the formation and good standing of the Company in its jurisdiction of formation issued by the Secretary of State (or comparable office) of its jurisdiction, as of a date within ten (10) days of the Closing Date and (ii) resolutions adopted by the Company's Board of Directors at a duly called meeting or by unanimous written consent authorizing this Agreement and all other documents, instruments and transactions contemplated hereby.

8. Governing Law; Miscellaneous.

a. Governing Law; Venue. 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. 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 New York or in the federal courts located in the state 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*. **EACH PARTY HEREBY IRREVOCABLY WAIVES ANY RIGHT IT MAY HAVE, AND AGREES NOT TO REQUEST, A JURY TRIAL FOR THE ADJUDICATION OF ANY DISPUTE HEREUNDER OR IN CONNECTION WITH OR ARISING OUT OF THIS AGREEMENT OR ANY TRANSACTIONS CONTEMPLATED HEREBY.** The prevailing party shall be entitled to recover from the other party its reasonable attorney's fees and costs. 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, the Note, or any other agreement, certificate, instrument or document contemplated hereby or thereby 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. 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. A facsimile or .pdf signature shall be considered due execution and shall be binding upon the signatory thereto with the same force and effect as if the signature were an original, not a facsimile or .pdf signature. Delivery of a counterpart signature hereto by facsimile or email/.pdf transmission shall be deemed validly delivery thereof.

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, the Note, or any other agreement or instrument 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 this Agreement, the Note, or any other agreement, certificate, instrument or document contemplated hereby or thereby.

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 or any agreement or instrument contemplated hereby may be waived or amended other than by an instrument in writing signed by 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, e-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 e-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 Company, to:

RESPIRERX PHARMACEUTICALS, INC.
126 Valley Road
Suite C
Glen Rock, New Jersey 07452
Attention: Jeff E. Margolis
e-mail: jmargolis@respirerx.com

With a copy by e-mail only to (which copy shall not constitute notice):

FAEGRE DRINKER BIDDLE & REATH LLP
One Logan Square, Suite 2000
Philadelphia, PA 19103
Attention: Elizabeth Diffley
Email: Elizabeth.diffley@faegredrinker.com

If to the Buyer:

FIRSTFIRE GLOBAL OPPORTUNITIES FUND, LLC
1040 First Avenue, Suite 190
New York, NY 10022
Attn: Eli Fireman
e-mail: eli@firstfirecapital.com

With a copy by e-mail only to (which copy shall not constitute notice):

FABIAN VANCOTT
215 South Main Street, Suite 1200
Salt Lake City, Utah 84111
Attn: Anthony Michael Panek
e-mail: apanek@fabianvancott.com

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 of its officers, directors, members, 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. Publicity. The Company, and the Buyer shall have the right to review a reasonable period of time before issuance of any press releases, SEC, Principal Market 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, Principal Market (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).

k. Expense Reimbursement; Further Assurances. At the Closing to occur as of the Closing Date, the Company shall pay on behalf of the Buyer or reimburse the Buyer for its legal fees and expenses incurred in connection with this Agreement, pursuant to the disbursement authorization signed by the Company of even date. 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.

l. 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.

m. Indemnification. In consideration of the Buyer's execution and delivery of this Agreement and acquiring the Securities hereunder, and in addition to all of the Company's other obligations under this Agreement or the Note, the Company shall defend, protect, indemnify and hold harmless the Buyer and its stockholders, partners, members, officers, directors, employees and direct or indirect investors and any of the foregoing persons' agents or other representatives (including, without limitation, those retained in connection with the transactions contemplated by this Agreement) (collectively, the "Indemnitees") from and against any and all actions, causes of action, suits, claims, losses, costs, penalties, fees, liabilities and damages, and expenses in connection therewith (irrespective of whether any such Indemnitee is a party to the action for which indemnification hereunder is sought), and including reasonable attorneys' fees and disbursements (the "Indemnified Liabilities"), incurred by any Indemnitee as a result of, or arising out of, or relating to (a) any misrepresentation or breach of any representation or warranty made by the Company in this Agreement, the Note or any other agreement, certificate, instrument or document contemplated hereby or thereby, (b) any breach of any covenant, agreement or obligation of the Company contained in this Agreement, the Note or any other agreement, certificate, instrument or document contemplated hereby or thereby or (c) any cause of action, suit or claim brought or made against such Indemnitee by a third party (including for these purposes a derivative action brought on behalf of the Company) and arising out of or resulting from (i) the execution, delivery, performance or enforcement of this Agreement, the Note or any other agreement, certificate, instrument or document contemplated hereby or thereby, (ii) any transaction financed or to be financed in whole or in part, directly or indirectly, with the proceeds of the issuance of the Securities, or (iii) the status of the Buyer or holder of the Securities as an investor in the Company pursuant to the transactions contemplated by this Agreement. To the extent that the foregoing undertaking by the Company may be unenforceable for any reason, the Company shall make the maximum contribution to the payment and satisfaction of each of the Indemnified Liabilities that is permissible under applicable law. Notwithstanding anything to the contrary in this Section 8(m), the Company shall not be obligated to defend, protect, indemnify or hold harmless any Indemnitee with respect to an Indemnified Liability if such Indemnified Liability arises out of or results from, in whole or in part, an Indemnitee's negligence or more culpable act or omission or bad faith failure to comply with any of its obligations set forth in this Agreement.

n. 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 or the Note will be inadequate and agrees, in the event of a breach or threatened breach by the Company of the provisions of this Agreement or the Note, 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 or the Note 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.

o. Payment Set Aside. To the extent that the Company makes a payment or payments to the Buyer hereunder or pursuant to the Note, or the Buyer enforces or exercises its rights hereunder or thereunder, and such payment or payments or the proceeds of such enforcement or exercise or any part thereof are subsequently invalidated, declared to be fraudulent or preferential, set aside, recovered from, disgorged by or are required to be refunded, repaid or otherwise restored to the Company, a trustee, receiver or any other person or entity under any law (including, without limitation, any bankruptcy law, foreign, state or federal law, common law or equitable cause of action), then to the extent of any such restoration the obligation or part thereof originally intended to be satisfied shall be revived and continued in full force and effect as if such payment had not been made or such enforcement or setoff had not occurred.

p. Failure or Indulgence Not Waiver. No failure or delay on the part of the Buyer 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 of the Buyer existing hereunder are cumulative to, and not exclusive of, any rights or remedies otherwise available.

[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.

RESPIRERX PHARMACEUTICALS, INC.

By: _____
Name: Jeff E. Margolis
Title: Chief Financial Officer

FIRSTFIRE GLOBAL OPPORTUNITIES FUND, LLC

By: FirstFire Capital Management LLC, its manager

By: _____
Eli Fireman

SUBSCRIPTION AMOUNT:

Principal Amount of Note: \$137,500.00

Actual Amount of Purchase Price of Note: \$125,000.00*

*The purchase price of \$125,000.00 shall be paid within 24 hours after the full execution of the Note and all related transaction documents.

EXHIBIT A
FORM OF NOTE
[attached hereto]

EXHIBIT B
FORM OF WARRANT
[attached hereto]

EXHIBIT C
REGISTRATION RIGHTS

All of the Conversion Shares will be deemed “Registrable Securities” subject to the provisions of this Exhibit C. All capitalized terms used but not defined in this Exhibit C shall have the meanings ascribed to such terms in the Securities Purchase Agreement to which this Exhibit is attached.

1. Registration Rights.

1.1 Registration. If at any time on or after the date of the Closing until the date which is nine (9) months thereafter, the Company proposes to file any Registration Statement under the 1933 Act (a “Registration Statement”) with respect to any offering of equity securities, or securities or other obligations exercisable or exchangeable for, or convertible into, equity securities, by the Company for its own account or for shareholders of the Company for their account (or by the Company and by shareholders of the Company), other than a Registration Statement filed (i) in connection with any employee stock option or other benefit plan on Form S-8, (ii) for a dividend reinvestment plan, (iii) in connection with a merger or acquisition, or (iv) in connection with an offering of up to two million dollars (\$2,000,000.00) pursuant to an equity line arrangement, then the Company shall (x) give written notice (a “Registration Notice”) of such proposed filing to the Buyer, if it is a holder of Registrable Securities, as soon as practicable but in no event less than ten (10) days before the anticipated filing date of the Registration Statement, which notice shall describe the amount and type of securities to be included in such Registration Statement, the intended method(s) of distribution, and the name of the proposed managing underwriter or underwriters, if any, of the offering, and (y) offer to the Buyer, if it is a holder of Registrable Securities, in such notice the opportunity to register the sale of such number of Registrable Securities as the Buyer may request in writing within three (3) days following receipt of such notice (a “Piggy-Back Registration”). The Company shall cause such Registrable Securities to be included in such registration and shall cause the managing underwriter or underwriters of a proposed underwritten offering to permit the Registrable Securities requested to be included in a Piggy-Back Registration on the same terms and conditions as any similar securities of the Company and to permit the sale or other disposition of such Registrable Securities in accordance with the intended method(s) of distribution thereof. If the Buyer proposes to distribute its securities through a Piggy-Back Registration that involves an underwriter or underwriters shall enter into an underwriting agreement in customary form with the underwriter or underwriters selected for such Piggy-Back Registration. If by the fifteenth (15th) business day following delivery of the Registration Notice no public disclosure regarding a Registration Statement has been made, and no notice regarding the abandonment of such filing has been received by the Buyer, such filing shall be deemed to have been abandoned and the Buyer shall not be deemed to be in possession of any material, non-public information with respect to the Company.

1.2 Withdrawal. The Buyer may elect to withdraw its request for inclusion of Registrable Securities in any Piggy-Back Registration by giving written notice to the Company of such request to withdraw prior to the effectiveness of the Registration Statement. The Company (whether on its own determination or as the result of a withdrawal by persons making a demand pursuant to written contractual obligations) may withdraw a Registration Statement at any time prior to the effectiveness of such Registration Statement. Notwithstanding any such withdrawal, the Company shall pay all expenses incurred by the Buyer in connection with such Piggy-Back Registration as provided in Section 3.3 below.

2. Qualification Rights.

2.1 Qualification. If the Company (i) at any time on or after the date of the Closing until the date which is nine (9) months thereafter, proposes to file a Form 1-A and Offering Circular pursuant to a qualified offering under Regulation A under the 1933 Act (collectively, an “Offering Circular”), with respect to any offering of equity securities, or securities or other obligations exercisable or exchangeable for, or convertible into, equity securities (the “Regulation A Securities”), by the Company for its own account or for shareholders of the Company for their account (or by the Company and by shareholders of the Company) or (ii) files an Offering Circular Supplement pursuant to an Offering Circular covered by this Section 2.1 (a “Supplement”), then the Company shall (x) give written notice (a “Qualification Notice”) of such proposed filing to the Buyer, if it is a holder of Registrable Securities, as soon as practicable but in no event less than ten (10) days before the anticipated filing date of the Offering Circular or Supplement, as applicable, which notice shall describe the amount and type of securities and the range of sale price per security to be included in such Offering Circular or Supplement, as applicable, the intended method(s) of distribution, and the name of the proposed managing underwriter or underwriters, if any, of the offering, and (y) offer to the Buyer, if it is a holder of Registrable Securities, in such notice the opportunity to be a selling stockholder, and to include for sale such number of Registrable Securities as the Buyer may request, on the Offering Circular or Supplement, as applicable, in writing within three (3) days following receipt of such notice (a “Piggy-Back Qualification”), provided that (A) such Registrable Securities named on the Offering Circular or Supplement, as applicable, are identical in all respects to the Regulation A Securities, including in proportion with respect to different types of security if the Regulation A Securities include different types of security, (B) the aggregate dollar amount of such Registrable Securities is not greater than 10% of the sum of the aggregate dollar amounts of Regulation A Securities and the Registrable Securities to be included in the Offering Circular or Supplement, as applicable, and (C) the Buyer consents to the selection by the Company, in its sole discretion, of a sale price per security within a stated price range not to exceed a \$2.00 price range. The Company shall cause such Registrable Securities to be included on such Offering Circular or Supplement, as applicable, and shall cause the managing underwriter or underwriters of a proposed underwritten offering, if any, to permit the Registrable Securities requested to be included in a Piggy-Back Qualification on the same terms and conditions as identical securities of the Company and to permit the sale or other disposition of such Registrable Securities in accordance with the intended method(s) of distribution thereof. The Buyer, if it is a holder of Registrable Securities, proposing to distribute its securities through a Piggy-Back Qualification that involves an underwriter or underwriters shall enter into an underwriting agreement in customary form with the underwriter or underwriters selected for such Piggy-Back Qualification. If by the fifteenth (15th) business day following delivery of the Qualification Notice no public disclosure regarding an Offering Circular or Supplement, as applicable, has been made, and no notice regarding the abandonment of such filing has been received by the Buyer, such filing shall be deemed to have been abandoned and the Buyer shall not be deemed to be in possession of any material, non-public information with respect to the Company.

2.2 Withdrawal. The Buyer may elect to withdraw its request for inclusion of Registrable Securities in any Piggy-Back Qualification by giving written notice to the Company of such request to withdraw prior to the qualification of the Offering Circular or the filing date of the Supplement. The Company (whether on its own determination or as the result of a withdrawal by persons making a demand pursuant to written contractual obligations) may withdraw an Offering Circular at any time prior to the qualification of such Offering Circular and may refuse to file a Supplement in its sole discretion. Notwithstanding any such withdrawal or refusal, the Company shall pay all expenses incurred by the Buyer in connection with such Piggy-Back Qualification as provided in Section 3.3 below.

3. Miscellaneous.

3.1 Untrue Statements. The Company shall notify the Buyer at any time when a prospectus, Offering Circular or Supplement relating to the Buyer’s Registrable Securities is required to be delivered under the 1933 Act, upon discovery that, or upon the happening of any event as a result of which, the prospectus or offering circular included in such Registration Statement, Offering Circular or Supplement, as then in effect or as qualified, includes an untrue statement of a material fact or omits to state any material fact required to be stated therein or necessary to make the statements therein not misleading in light of the circumstances then existing. At the request of the Buyer, the Company shall also prepare, file and furnish to the Buyer a reasonable number of copies of a supplement to or an amendment of such prospectus or Offering Circular as may be necessary so that, as thereafter delivered to the purchasers of the Registrable Securities, such prospectus, Offering Circular or Supplement shall not include an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading in light of the circumstances then existing. The Buyer shall not offer or sell any Registrable Securities covered by the Registration Statement, Offering Circular or Supplement after receipt of such notification until the receipt of such supplement or amendment.

3.2 Information Rights. Buyer shall furnish to the Company such information with respect to the Buyer and the Buyer’s proposed distribution of the Registrable Securities pursuant to the Registration Statement, Offering Circular or Supplement as the Company may from time to time reasonably request in writing or as shall be required by law or by the SEC in connection therewith.

3.3 Expenses. All fees and expenses incident to the performance of or compliance with this Exhibit C by the Company shall be borne by the Company whether or not any Registrable Securities are sold pursuant to a Registration Statement, Offering Circular, or Supplement. The fees and expenses referred to in the foregoing sentence shall include, without limitation, (i) all registration, qualification, and filing fees (including, without limitation, fees and expenses of the Company's counsel and independent registered public accountants) (A) with respect to filings made with the SEC, (B) with respect to filings required to be made with any trading market on which the Common Stock is then listed for trading, (C) in compliance with applicable state securities or Blue Sky laws reasonably agreed to by the Company in writing (including, without limitation, fees and disbursements of counsel for the Company in connection with Blue Sky qualifications or exemptions of the Registrable Securities) and (D) with respect to any filing that may be required to be made by any broker through which the Buyer intends to make sales of Registrable Securities, (ii) printing expenses, (iii) messenger, telephone and delivery expenses, (iv) fees and disbursements of counsel for the Company, (v) 1933 Act liability insurance, if the Company so desires such insurance, (vi) fees and expenses of all other persons or entities retained by the Company in connection with the consummation of the transactions contemplated by this Exhibit C and (vii) reasonable fees and disbursements of a single special counsel for the Buyer. In addition, the Company shall be responsible for all of its internal expenses incurred in connection with the consummation of the transactions contemplated by this Agreement (including, without limitation, all salaries and expenses of its officers and employees performing legal or accounting duties), the expense of any annual audit and the fees and expenses incurred in connection with the listing of the Registrable Securities on any securities exchange as required hereunder. In no event shall the Company be responsible for any broker or similar commissions of the Buyer.

3.4 Indemnification. The Company and its successors and assigns shall indemnify and hold harmless the Buyer and its officers, directors, members, partners, agents and employees (and any other individuals or entities with a functionally equivalent role of a person holding such titles, notwithstanding a lack of such title or any other title), each individual or entity who controls the Buyer (within the meaning of Section 15 of the 1933 Act or Section 20 of the 1934 Act) and the officers, directors, members, stockholders, partners, agents and employees (and any other individuals or entities with a functionally equivalent role of a person holding such titles, notwithstanding a lack of such title or any other title) of each such controlling individual or entity (each, an "Indemnified Party"), to the fullest extent permitted by applicable law, from and against any and all losses, claims, damages, liabilities, costs (including, without limitation, reasonable attorneys' fees) and expenses (collectively, "Losses"), as incurred, arising out of or relating to (i) any untrue or alleged untrue statement of a material fact contained in a Registration Statement, any related 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 such prospectus or supplement thereto, in light of the circumstances under which they were made) not misleading or (ii) any violation or alleged violation by the Company of the 1933 Act, the 1934 Act or any state securities law, or any rule or regulation thereunder, in connection with the performance of its obligations under this Exhibit C, except to the extent that such untrue statements or omissions (A) are based upon information regarding the Buyer furnished to the Company by the Buyer for use therein or (B) arises out of or results from, in whole or in part, an Indemnified Party's gross negligence or more culpable act or omission or bad faith failure to comply with any of its obligations set forth in this Agreement. The Company shall notify the Buyer promptly of the institution, threat or assertion of any proceeding arising from or in connection with the transactions contemplated by this Exhibit C of which the Company is aware.

3.5 Contribution. If the indemnification under Section 3.4 is unavailable to an Indemnified Party or insufficient to hold an Indemnified Party harmless for any Losses, then the Company shall contribute to the amount paid or payable by such Indemnified Party, in such proportion as is appropriate to reflect the relative fault of the Company and Indemnified Party in connection with the actions, statements or omissions that resulted in such Losses as well as any other relevant equitable considerations. The relative fault of the Company and Indemnified Party shall be determined by reference to, among other things, whether any action in question, including any untrue or alleged untrue statement of a material fact or omission or alleged omission of a material fact, has been taken or made by, or relates to information supplied by the Company or the Indemnified Party, and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such action, statement or omission. The amount paid or payable by a party as a result of any Losses shall be deemed to include any reasonable attorneys' or other fees or expenses incurred by such party in connection with any proceeding to the extent such party would have been indemnified for such fees or expenses if the indemnification provided for in Section 3.4 was available to such party in accordance with its terms. It is agreed that it would not be just and equitable if contribution pursuant to this Section 1.7 were determined by pro rata allocation or by any other method of allocation that does not take into account the equitable considerations referred to in the immediately preceding two sentences. Notwithstanding the provisions of this Section 3.5, the Buyer shall not be required to contribute, in the aggregate, any amount in excess of the amount by which the net proceeds actually received by the Buyer from the sale of all of its Registrable Securities pursuant to such Registration Statement, related prospectus, Offering Circular or Supplement, exceeds the amount of any damages that Buyer has otherwise been required to pay by reason of such untrue or alleged untrue statement or omission or alleged omission.

[END OF EXHIBIT C]

THIS INSTRUMENT CONTAINS AN AFFIDAVIT OF CONFESSION OF JUDGMENT PROVISION WHICH CONSTITUTES A WAIVER OF IMPORTANT RIGHTS BORROWER MAY HAVE AND ALLOWS THE HOLDER TO OBTAIN A JUDGMENT AGAINST BORROWER WITHOUT ANY FURTHER NOTICE. 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, (B) INCLUSION IN A QUALIFIED OFFERING PURSUANT TO REGULATION A UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR (C) AN OPINION OF COUNSEL (WHICH MAY BE THE LEGAL COUNSEL OPINION (AS DEFINED IN THE PURCHASE AGREEMENT)), IN A GENERALLY ACCEPTABLE FORM, THAT REGISTRATION IS NOT REQUIRED UNDER SAID ACT OR (II) UNLESS SOLD PURSUANT TO RULE 144, RULE 144A, REGULATION S, OR OTHER APPLICABLE EXEMPTION 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: \$137,500.00
Purchase Price: \$125,000.00

Issue Date: July 2, 2020

CONVERTIBLE PROMISSORY NOTE

FOR VALUE RECEIVED, **RESPIRERX PHARMACEUTICALS INC.**, a Delaware corporation (hereinafter called the “Borrower” or the “Company”) (Trading Symbol: RSPI), hereby promises to pay to the order of **FIRSTFIRE GLOBAL OPPORTUNITIES FUND LLC**, a Delaware limited liability company, or registered assigns (the “Holder”), in the form of lawful money of the United States of America, the principal sum of \$137,500.00, which amount is the \$125,000.00 actual amount of the purchase price (the “Consideration”) hereof plus an original issue discount in the amount of \$12,500.00 (the “OID”) (subject to adjustment herein) (the “Principal Amount”) and to pay interest on the unpaid Principal Amount hereof at the rate of ten percent (10%) (the “Interest Rate”) per annum from the date hereof (the “Issue Date”) with such interest to be guaranteed and added at issuance. All payments of interest and principal due hereunder, subject to the terms hereof, shall be paid in accordance with the attached payment schedule set forth under Schedule A hereto. The maturity date shall be nine (9) months from the Issue Date (the “Maturity Date”), and is the date upon which the principal sum, the OID, as well as any accrued and unpaid interest and other fees, shall be due and payable.

It is further acknowledged and agreed that the Principal Amount owed by Borrower under this Note shall be increased by the amount of all expenses incurred by the Holder relating to the conversion of this Note into shares of Common Stock. All such expenses shall be deemed added to the Principal Amount hereunder to the extent such expenses are paid by the Holder.

This Note may not be prepaid or repaid in whole or in part except as otherwise explicitly set forth herein.

This Note shall be a subordinate obligation of the Company, with priority over all future Indebtedness (as defined below) of the Company as provided for herein.

Interest shall commence accruing on the date that the Note is fully funded and shall be computed on the basis of a 365-day year and the actual number of days elapsed. Any Principal Amount 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 by law from the due date thereof until the same is paid (“Default Interest”).

All payments due hereunder (to the extent not converted into shares of common stock, \$0.0001 par value per share, of the Borrower (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.

Each capitalized term used herein, and not otherwise defined, shall have the meaning ascribed thereto in that certain Securities Purchase Agreement, dated as of the Issue Date, pursuant to which this Note was originally issued (the "Purchase Agreement"). 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. As used herein, the term "Trading Day" means any day that shares of Common Stock are listed for trading or quotation on the Principal Market (as defined in the Purchase Agreement), any tier of the NASDAQ Stock Market, the New York Stock Exchange or the NYSE American.

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 to convert all or any portion of the then outstanding and unpaid Principal Amount and interest (including any Default Interest) 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 this Note 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 Conversion Shares 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 then outstanding shares of Common Stock. For purposes of the proviso set forth in 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 "1934 Act"), and Regulations 13D-G thereunder, except as otherwise provided in clause (1) of such proviso, *provided, however*, that the limitations on conversion may be waived (up to 9.99%) by the Holder upon, at the election of the Holder, not less than (sixty-one) 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). The number of Conversion Shares 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 or Borrower's transfer agent 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 or Borrower's transfer agent before 11:59 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 Rate 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).

1.2 Conversion Price.

(a) Calculation of Conversion Price. The per share conversion price into which Principal Amount and interest (including any Default Interest) under this Note shall be convertible into shares of Common Stock hereunder (the "Conversion Price") shall be equal to \$0.02 (the "Fixed Conversion Price"), *provided, further,* that upon any Event of Default (defined herein) after the Issue Date, the Conversion Price shall equal the lower of (i) the Fixed Conversion Price; (ii) discount to market based upon subsequent financings with other investors; or (iii) sixty percent (60%) multiplied by the lowest traded price of the Common Stock during the twenty-one (21) consecutive Trading Day period immediately preceding the date of the respective conversion (the "Alternate Conversion Price"); *and provided, further, however,* and notwithstanding the above calculation of the Alternate Conversion Price, but only with respect to the Alternate Conversion Price, pursuant to this Section 1.2, if the lowest traded price of the Common Stock is less than the Conversion Price on the date following the Conversion Date (the "Free Trading Share Receipt Date") on which the Holder actually receives from the Company or its transfer agent Conversion Shares issuable pursuant to this Section 1 which are immediately upon receipt unrestricted and freely tradable by the Holder either by way of (A) registration under the 1933 Act or (B) pursuant to Regulation A or (C) pursuant to Rule 144 under the 1933 Act (or a successor rule) ("Rule 144"), Rule 144A under the 1933 Act (or a successor rule) ("Rule 144A"), Regulation S under the 1933 Act (or a successor rule) ("Regulation S"), or other applicable exemption, then the Conversion Price shall be deemed to have been retroactively adjusted, as of the Conversion Date, to a price equal to sixty-five percent (65%) multiplied by the lowest volume weighted average price of the Common Stock on the Free Trading Shares Receipt Date (the "Free Trading Shares Receipt Date Conversion Price"), and the Company shall, on the Trading Day following the Free Trading Share Receipt Date, issue to the Holder additional shares of unrestricted, freely tradable Common Stock equal to the difference between (Y) the number of Conversion Shares receivable upon conversion of the applicable Conversion Amount at the Conversion Price and (Z) the number of Conversion Shares receivable upon conversion of the applicable Conversion Amount at the Free Trading Shares Receipt Date Conversion Price (subject to the beneficial ownership limitations contained in Section 1.1, such that the additional shares shall be issued in tranches if required to comply with such beneficial ownership limitations); *and provided, further, however,* and notwithstanding the above calculation of the Conversion Price, if, prior to the repayment or conversion of this Note, in the event the Borrower consummates a registered, qualified or unregistered primary offering of its securities for capital raising purposes (a "Primary Offering") with aggregate net proceeds in excess of \$2,500,000, the Holder shall have the right, in its discretion, to (x) demand repayment in full of an amount equal to any outstanding Principal Amount and interest (including Default Interest) under this Note as of the closing date of the Primary Offering. The Borrower shall provide the Holder no less than ten (10) business days' notice of the anticipated closing of a Primary Offering and an opportunity to demand repayment as described above. To the extent the Alternate Conversion Price is 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, provided however that the Borrower agrees to honor all conversions submitted pending this increase. If at any time the Alternate Conversion Price as determined hereunder for any conversion would be less than the par value of the Common Stock, then at the sole discretion of the Holder, the Conversion Price hereunder may equal such par value for such conversion and the Alternate Conversion Amount for such conversion may 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 adjusted by the Holder to the par value price. In the event the Borrower has a DTC "Chill" on its shares, may demand repayment as described above, while that "Chill" is in effect.

(b) 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 be acquired by, consolidate or merge with any other corporation or entity (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 fifty percent (50%) or more of the Common Stock (or any other takeover scheme) (any such transaction referred to in clause (i) or (ii) being referred to herein as a "Change in Control" and the date of the announcement referred to in clause (i) or (ii) is being referred to herein 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 and (y) the Acquisition Price (as defined below). From and after the Adjusted Conversion Price Termination Date, the Conversion Price shall be determined as set forth in Section 1.2(a). For purposes hereof, "Adjusted Conversion Price Termination Date" shall mean, with respect to any proposed Change in Control 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 Change in Control which caused this Section 1.2(b) to become operative. For purposes hereof, "Acquisition Price" shall mean a price per share of Common Stock derived by dividing (x) the total consideration (in cash, equity, earn-out or similar payments or otherwise) paid or to be paid to the Borrower or its shareholders in the Change in Control transaction by (y) the number of authorized shares of Common Stock outstanding as of the business day prior to the Announcement Date.

1.3 Authorized and Reserved Shares. The Borrower covenants that at all times until the Note is satisfied in full, 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 a number of Conversion Shares multiplied by (ii) five (5) (the “Reserved Amount”). In the event that the Borrower shall be unable to reserve the entirety of the Reserved Amount (the “Reserve Amount Failure”), the Borrower shall promptly take all actions necessary to increase its authorized share capital to accommodate the Reserved Amount (the “Authorized Share Increase”), including without limitation, all board of directors actions and approvals and promptly (but no less than sixty (60) days following the calling and holding a special meeting of its shareholders no more than sixty (60) days following the Reserve Amount Failure to seek approval of the Authorized Share Increase via the solicitation of proxies. Notwithstanding the foregoing, in no event shall the Reserved Amount be lower than the initial Reserved Amount, regardless of any prior conversions. The Borrower represents that upon issuance, the Conversion 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 Conversion Shares 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. The Borrower (i) acknowledges that it has irrevocably instructed its transfer agent to issue certificates for the Conversion Shares or instructions to have the Conversion Shares issued as contemplated by Section 1.4(f) hereof, 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 or cause the Company to electronically issue shares of Common Stock to execute and issue the necessary certificates for the Conversion Shares or cause the Conversion Shares to be issued as contemplated by Section 1.4(f) hereof 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 this Note.

1.4 Method of Conversion.

(a) Mechanics of Conversion. This Note may be converted by the Holder in whole or in part, on any Trading Day, at any time on or after the Issue Date, by submitting to the Borrower or Borrower’s transfer agent a Notice of Conversion (by facsimile, e-mail or other reasonable means of communication dispatched on the Conversion Date prior to 11:59 p.m., New York, New York time). Any Notice of Conversion submitted after 11:59 p.m., New York, New York time, shall be deemed to have been delivered and received on the next Trading Day.

(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 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 Conversion Shares (or cause the electronic delivery of the Conversion Shares as contemplated by Section 1.4(f) hereof) within one (1) Trading Day after such receipt (the “Deadline”) (and, solely in the case of conversion of the entire unpaid Principal Amount and interest (including any Default Interest) under this Note, surrender of this Note). If the Company shall fail for any reason or for no reason to issue to the Holder on or prior to the Deadline a certificate for the number of Conversion Shares or to which the Holder is entitled hereunder and register such Conversion Shares on the Company’s share register or to credit the Holder’s balance account with DTC (as defined below) for such number of Conversion Shares to which the Holder is entitled upon the Holder’s conversion of this Note (a “Conversion Failure”), then, in addition to all other remedies available to the Holder, (i) the Company shall pay in cash to the Holder on each day after the Deadline and during such Conversion Failure an amount equal to two percent (2%) of the product of (A) the sum of the number of Conversion Shares not issued to the Holder on or prior to the Deadline and to which the Holder is entitled and (B) the closing sale price of the Common Stock on the Trading Day immediately preceding the last possible date which the Company could have issued such Conversion Shares to the Holder without violating this Section 1.4(d); and (ii) the Holder, upon written notice to the Company, may void its Notice of Conversion with respect to, and retain or have returned, as the case may be, any portion of this Note that has not been converted pursuant to such Notice of Conversion; provided that the voiding of an Notice of Conversion shall not affect the Company’s obligations to make any payments which have accrued prior to the date of such notice. In addition to the foregoing, if on or prior to the Deadline the Company shall fail to issue and deliver a certificate to the Holder and register such Conversion Shares on the Company’s share register or credit the Holder’s balance account with DTC for the number of Conversion Shares to which the Holder is entitled upon the Holder’s exercise hereunder or pursuant to the Company’s obligation pursuant to clause (ii) below, and if on or after such Trading Day the Holder purchases (in an open market transaction or otherwise) shares of Common Stock to deliver in satisfaction of a sale by the Holder of shares of Common Stock issuable upon such exercise that the Holder anticipated receiving from the Company, then the Company shall, within two (2) Trading Days after the Holder’s request and in the Holder’s discretion, either (i) pay cash to the Holder in an amount equal to the Holder’s total purchase price (including brokerage commissions and other reasonable and customary out-of-pocket expenses, if any) for the shares of Common Stock so purchased (the “Buy-In Price”), at which point the Company’s obligation to deliver such certificate (and to issue such Conversion Shares) or credit such Holder’s balance account with DTC for such Conversion Shares shall terminate, or (ii) promptly honor its obligation to deliver to the Holder a certificate or certificates representing such Conversion Shares or credit such Holder’s balance account with DTC and pay cash to the Holder in an amount equal to the excess (if any) of the Buy-In Price over the product of (A) such number of shares of Common Stock, times (B) the closing sales price of the Common Stock on the date of exercise. Nothing shall limit the Holder’s right to pursue any other remedies available to it hereunder, at law or in equity, including, without limitation, a decree of specific performance and/or injunctive relief with respect to the Company’s failure to timely deliver certificates representing the Conversion Shares (or to electronically deliver such Conversion Shares) upon the conversion of this Note as required pursuant to the terms hereof.

(e) Obligation of Borrower to Deliver Common Stock. At the time that the Holder submits the Notice of Conversion to the Borrower or Borrower’s transfer agent, the Holder shall be deemed to be the holder of record of the Conversion Shares issuable upon such conversion, the outstanding Principal Amount and the amount of accrued and unpaid interest (including any Default Interest) under 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 the Conversion Shares (or cause the electronic delivery of the Conversion Shares as contemplated by Section 1.4(f) hereof) 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 sent to the Borrower or Borrower’s transfer agent before 11:59 p.m., New York, New York time, on such date.

(f) Delivery of Conversion Shares by Electronic Transfer. In lieu of delivering physical certificates representing the Conversion Shares issuable upon conversion hereof, provided the Borrower is participating in the Depository Trust Company (“DTC”) Fast Automated Securities Transfer or Deposit/Withdrawal at Custodian programs, 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 best efforts to cause its transfer agent to electronically transmit the Conversion Shares issuable upon conversion hereof to the Holder by crediting the account of Holder’s Prime Broker with DTC through its Deposit Withdrawal Agent Commission system.

1.5 Concerning the Shares. The Conversion Shares 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 1933 Act, (ii) such shares are included in a qualified offering pursuant to Regulation A under the 1933 Act, (iii) the Borrower or its transfer agent shall have been furnished with an opinion of counsel (which opinion shall be the Legal Counsel Opinion (as defined in the Purchase Agreement)) to the effect that the shares to be sold or transferred may be sold or transferred pursuant to an exemption from such registration, (iv) such shares are sold or transferred pursuant to Rule 144, Rule 144A, Regulation S, or other applicable exemption, or (v) 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 Conversion Shares have been registered under the 1933 Act or otherwise may be sold pursuant to Rule 144, Rule 144A, Regulation S, or other applicable exemption without any restriction as to the number of securities as of a particular date that can then be immediately sold, each certificate for the Conversion Shares 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, (B) INCLUSION IN A QUALIFIED OFFERING PURSUANT TO REGULATION A UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR (C) AN OPINION OF COUNSEL (WHICH MAY BE THE LEGAL COUNSEL OPINION (AS DEFINED IN THE PURCHASE AGREEMENT)), IN A GENERALLY ACCEPTABLE FORM, THAT REGISTRATION IS NOT REQUIRED UNDER SAID ACT OR (II) UNLESS SOLD PURSUANT TO RULE 144, RULE 144A, REGULATION S, OR OTHER APPLICABLE EXEMPTION 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.”

The legend set forth above shall be removed and the Company shall issue to the Holder a certificate for the applicable Conversion Shares without such legend upon which it is stamped or (as requested by the Holder) issue the applicable Conversion Shares by electronic delivery by crediting the account of such holder’s broker with DTC, if, unless otherwise required by applicable state securities laws: (a) such Conversion Shares are registered for sale under an effective registration statement filed under the 1933 Act or pursuant to a qualified offering under Regulation A under the 1933 Act or otherwise may be sold pursuant to Rule 144, Rule 144A, Regulation S, or other applicable exemption without any restriction as to the number of securities as of a particular date that can then be immediately sold, or (b) the Company or the Holder provides the Legal Counsel Opinion (as contemplated by and in accordance with Section 4(m) of the Purchase Agreement) to the effect that a public sale or transfer of such Conversion Shares 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 Company shall be responsible for the fees of its transfer agent and all DTC fees associated with any such issuance. The Holder agrees to sell all Conversion Shares, including those represented by a certificate(s) from which the legend has been removed, in compliance with applicable prospectus delivery requirements, if any. In the event that the Company does not accept the opinion of counsel provided by the Holder with respect to the transfer of Conversion Shares pursuant to an exemption from registration, such as Rule 144, Rule 144A or Regulation S, at the Deadline, notwithstanding that the conditions of Rule 144, Rule 144A, Regulation S, or other applicable exemption, as applicable, have been met, it will be considered an Event of Default under this Note.

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, 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 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 (defined in Section 3.25) 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 this Note, 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 effectuate any transaction described in this Section 1.6(b) unless (a) it first gives, to the extent practicable, at least 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) Purchase Rights. If, at any time when all or any portion of this Note is 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.

(e) 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 Adjustments to Conversion Price. At any time after the Issue Date, (i) 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), (ii) if the Borrower ceases to be a reporting company pursuant or subject to the Exchange Act, (iii) if the Borrower loses a market (including the OTC Pink, OTCQB or an equivalent replacement exchange) for its Common Stock, (iv) if the Borrower fails to maintain its status as "DTC Eligible" for any reason, (v) if the Conversion Price is less than one cent (\$0.01), (vi) if the Note cannot be converted into free trading shares on or after six months from the Issue Date, (vii) if at any time the Borrower does not maintain or replenish the Reserved Amount (as defined herein) within three (3) business days of the request of the Holder, (viii) if the Borrower fails to maintain the listing of the Common Stock on at least one of the OTC Markets or an equivalent replacement exchange, the Nasdaq Capital Market, the Nasdaq Global Market, The Nasdaq Global Select Market, the New York Stock Exchange, or the NYSE MKT, (ix) if the Borrower fails to comply with the reporting requirements of the Exchange Act; the reporting requirements necessary to satisfy the availability of Rule 144 to the Holder or its assigns, including but not limited to the timely fulfillment of its filing requirements as a fully-reporting issuer registered with the SEC, the requirements for XBRL filings, the requirements for disclosure of financial statements on its website, (x) if the Borrower effectuates a reverse split of its Common Stock without twenty (20) days prior written notice to the Holder, (xi) if OTC Markets changes the Borrower's designation to 'No Information' (Stop Sign), 'Limited Information' (Yield Sign), 'Caveat Emptor' (Skull and Crossbones), 'Control Dispute' (Judicial Mallet), 'Bankruptcy' (Crossed out dollar sign), 'Promotion Risk' (Megaphone), 'Shell Risk' (Shell), 'Prohibited Service Provider' (Crossed out circle), 'Dark or Defunct' (Lunar Eclipse), 'Delinquent' (Circle Cross Hatch with four dots) or 'OTC', 'Other OTC' or 'Grey Market' (Exclamation Mark Sign), 'Unable to Contact' (Question Mark in a Circle), (xii) the restatement of any financial statements filed by the Borrower with the SEC for any date or period from two (2) 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, (xiii) any cessation of trading of the Common Stock on at least one of the OTC Markets or an equivalent replacement exchange, the Nasdaq Capital Market, the Nasdaq Global Market, The Nasdaq Global Select Market, the New York Stock Exchange, or the NYSE MKT, and such cessation of trading shall continue for a period of five consecutive (5) Trading Days, and/or (xiv) the Borrower loses the "bid" price for its Common Stock (\$0.0001 on the "Ask" with zero market makers on the "Bid" per Level 2), and/or (xv) if the Holder is notified in writing by the Company or the Company's transfer agent that the Company does not have the necessary amount of authorized and issuable shares of Common Stock available to satisfy the issuance of Shares pursuant to a Conversion Notice, then in addition to all other remedies under this Note (including but not limited the default provisions provided in this Note), the Holder shall be entitled to increase, by fifteen percent (15%) for each occurrence, cumulative or otherwise, the discount to the Conversion Price shall apply for all future conversions under the Note. The Holder maintains the option and sole discretion to increase by Ten Thousand and No/100 United States Dollars (\$10,000.00) per each occurrence described above (under Holder's and Borrower's expectation that any principal amount increase will tack back to the Issue Date) the principal amount of the Note instead of applying further discounts to the Conversion Price.

1.8 Status as Shareholder. Upon submission of a Notice of Conversion by a Holder, (i) the Conversion Shares covered thereby (other than the Conversion 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 for the Borrower's failure to convert this Note.

1.9 Prepayment. Notwithstanding anything to the contrary contained in this Note, at any time prior to or as of (but not following) the earlier of the (i) the first Conversion Date hereunder and (ii) the 180th calendar day after the Issue Date, the Borrower shall have the right, exercisable on not less than one (1) Trading Days prior written notice to the Holder of the Note, to prepay the outstanding Principal Amount and interest (including any Default Interest) then due under this Note, in whole or in part, in accordance with this Section 1.9. Any notice of prepayment hereunder (an "Optional Prepayment Notice") shall be delivered to the Holder of the Note at its registered addresses 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 one (1) 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 amounts designated 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 at any time within the initial thirty (30) calendar days following the Issue Date, the Borrower shall make payment to the Holder of an amount in cash equal to the sum of: (w) 105% multiplied by the Principal Amount then outstanding plus (x) accrued and unpaid interest on the Principal Amount to the Optional Prepayment Date plus (y) Default Interest, if any, on the amounts referred to in clauses (w) and (x). If the Borrower exercises its right to prepay the Note at any time from the 31st calendar days through the 120th calendar day following the Issue Date, the Borrower shall make payment to the Holder of an amount in cash equal to the sum of: (w) 110% multiplied by the Principal Amount then outstanding plus (x) accrued and unpaid interest on the Principal Amount to the Optional Prepayment Date plus (y) Default Interest, if any, on the amounts referred to in clauses (w) and (x). If the Borrower exercises its right to prepay the Note at any time from the 121st calendar day through the 180th calendar day following the Issue Date, the Borrower shall make payment to the Holder of an amount in cash equal to the sum of: (w) 115% multiplied by the Principal Amount then outstanding plus (x) accrued and unpaid interest on the Principal Amount to the Optional Prepayment Date plus (y) Default Interest, if any, on the amounts referred to in clauses (w) and (x). Borrower shall not be entitled to prepay any other amounts due under the Note after the 180th calendar day.

1.10 Amortization Payments. The Borrower shall make the following amortization payments in cash to the Holder towards the repayment of this Note, as provided in the following table:

Payment Date:	Payment Amount:
11/01/2020	\$ 30,250.00
12/01/2020	\$ 30,250.00
01/01/2021	\$ 30,250.00
02/01/2021	\$ 30,250.00
03/01/2021	\$ 30,250.00

ARTICLE II. RANKING AND CERTAIN COVENANTS

2.1 Ranking and Security. The obligations of the Borrower under this Note shall rank subordinate with respect to any and all Indebtedness incurred as of or following the Issue Date.

2.2 Other Indebtedness. So long as the Borrower shall have any obligation under this Note, the Borrower shall not (directly or indirectly through any Subsidiary or affiliate) incur or suffer to exist or guarantee any Indebtedness that is senior to (in priority of payment and performance) the Borrower's obligations hereunder. As used in this Section 2.2, the term "Borrower" means the Borrower and any Subsidiary of the Borrower. As used herein, the term "Indebtedness" means (a) all indebtedness of the Borrower for borrowed money or for the deferred purchase price of property or services, including any type of letters of credit, but not including deferred purchase price obligations in place as of the Issue Date and as disclosed in the SEC Documents or obligations to trade creditors incurred in the ordinary course of business, (b) all obligations of the Borrower evidenced by notes, bonds, debentures or other similar instruments, (c) purchase money indebtedness hereafter incurred by the Borrower to finance the purchase of fixed or capital assets, including all capital lease obligations of the Borrower which do not exceed the purchase price of the assets funded, (d) all guarantee obligations of the Borrower in respect of obligations of the kind referred to in clauses (a) through (c) above that the Borrower would not be permitted to incur or enter into, and (e) all obligations of the kind referred to in clauses (a) through (d) above that the Borrower is not permitted to incur or enter into that are secured and/or unsecured by (or for which the holder of such obligation has an existing right, contingent or otherwise, to be secured and/or unsecured by) any lien or encumbrance on property (including accounts and contract rights) owned by the Borrower, whether or not the Borrower has assumed or become liable for the payment of such obligation.

2.3 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.

2.4 Restriction on Stock Repurchases and Debt Repayments. 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, or repay any pari passu or subordinated indebtedness of Borrower.

2.5 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.

2.6 Advances and Loans; Affiliate Transactions. 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, make advances to or enter into any transaction with 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 Issue Date and which the Borrower has informed Holder in writing prior to the Issue Date, (b) in regard to transactions with unaffiliated third parties, made in the ordinary course of business or (c) in regard to transactions with unaffiliated third parties, not in excess of \$100,000.00. So long as the Borrower shall have any obligation under this Note, the Borrower shall not, without the Holder's written consent, repay any affiliate (as defined in Rule 144) of the Borrower in connection with any indebtedness or accrued amounts owed to any such party.

2.7 Section 3(a)(9) or 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, either Section 3(a)(9) of the Securities Act (a "3(a)(9) Transaction") or Section 3(a)(10) of the Securities Act (a "3(a)(10) Transaction"). Notwithstanding the foregoing, Borrower may enter into 3(a)(9) transactions with officers, directors and other employees with respect to forgiveness of accrued compensation for equity or equity-linked securities, as well as similar transactions with vendors, contractors, service providers, agents ("Vendors") with respect to accounts payable and accrued expenses owed to such Vendors as well as note holders with notes outstanding prior to the date of this Note. In the event that the Borrower does enter into, or makes any issuance of Common Stock related to a non-permissible 3(a)(9) Transaction or a 3(a)(10) Transaction while this Note is outstanding, a liquidated damages charge of twenty-five percent (25%) of the outstanding principal balance of this Note, but not less than Twenty Five Thousand Dollars (\$25,000.00), will be assessed and will become immediately due and payable to the Holder at its election in the form of a cash payment or added to the balance of this Note (under Holder's and Borrower's expectation that this amount will tack back to the Issue Date).

2.8 Preservation of Business and Existence, etc. So long as the Borrower shall have any obligation under this Note, the Borrower shall not, without the Holder's written consent, (a) change the nature of its business; (b) sell, divest, change the structure of any material assets other than in the ordinary course of business; or (c) enter into any variable rate transactions or Merchant Cash Advance transactions. In addition, so long as the Borrower shall have any obligation under this Note, 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. Furthermore, so long as the Borrower shall have any obligation under this Note, the Borrower shall not, without the Holder's written consent, solicit any offers for, respond to any unsolicited offers for, or conduct any negotiations with, any other person or entity with respect to any Variable Rate Transaction or investment.

2.9 Non-circumvention. The Company hereby covenants and agrees that the Company 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.

2.10 Lost, Stolen or Mutilated Note. Upon receipt by the Company of evidence reasonably satisfactory to the Company of the loss, theft, destruction or mutilation of this Note, and, in the case of loss, theft or destruction, of any indemnification undertaking by the Holder to the Company in customary form and, in the case of mutilation, upon surrender and cancellation of this Note, the Company shall execute and deliver to the Holder a new Note.

ARTICLE III. EVENTS OF DEFAULT

It shall be considered an event of default if any of the following events listed in this Article III (each, an "Event of Default") shall occur:

3.1 Failure to Pay Principal or Interest. The Borrower fails to make an Amortization Payment on the respective date as outlined in Section 1.10 of this Note, at maturity, upon acceleration or otherwise, or fails to fully comply with Section 1.10 of this Note.

3.2 Conversion and the Shares. The Borrower (i) fails to issue Conversion Shares 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 the Conversion Shares issuable to the Holder upon conversion of or otherwise pursuant to this Note as and when required by this Note, (iii) reserve the Reserved Amount at all times, or (iii) 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 the Conversion Shares issuable 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 Conversion Shares 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 two (2) Trading 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 Agreements and Covenants. The Borrower breaches any material agreement, covenant or other material term or condition contained in the Purchase Agreement, this Note, the Irrevocable Transfer Agent Instructions or in any agreement, statement or certificate given in writing pursuant hereto or in connection herewith or therewith.

3.4 Breach of Representations and Warranties. Any representation or warranty of the Borrower made in the Purchase Agreement, this Note, the Irrevocable Transfer Agent Instructions or in any agreement, statement or certificate given in writing pursuant hereto or in connection herewith or therewith 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.

3.5 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, not previously disclosed in the Company's filings with the Securities and Exchange Commission ("SEC"), 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 \$200,000.00, 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 Over the Counter Bulletin Board, the OTCQB Market, any level of the OTC Markets, or any level of the Nasdaq Stock Market or the New York Stock Exchange (including the NYSE MKT).

3.9 Failure to Comply with the 1934 Act. At any time after the Issue Date, the Borrower shall fail to comply with the reporting requirements of the 1934 Act and/or the Borrower shall cease to be subject to the reporting requirements of the 1934 Act. It shall be an Event of Default under this Section 3.9 if the Borrower shall file any Notification of Late Filing on Form 12b-25 with the SEC.

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 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 DTC “Chill”. The DTC places a “chill” (i.e. a restriction placed by DTC on one or more of DTC’s services, such as limiting a DTC participant’s ability to make a deposit or withdrawal of the security at DTC) on any of the Borrower’s securities.

3.17 Illegality. Any court of competent jurisdiction issues an order declaring this Note, the Purchase Agreement or any provision hereunder or thereunder to be illegal.

3.18. DWAC Eligibility. In addition to the Event of Default in Section 3.16, the Common Stock is otherwise not eligible for trading through the DTC’s Fast Automated Securities Transfer or Deposit/Withdrawal at Custodian programs.

3.19 Cross-Default. The declaration of an event of default by any lender or other extender of credit to the Company under any notes, loans, agreements or other instruments of the Company evidencing any Indebtedness of the Company (including those filed as exhibits to or described in the Company’s filings with the SEC), after the passage of all applicable notice and cure or grace periods.

3.20 This section intentionally left blank.

3.21 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 marketplace or exchange).

3.22 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. Notwithstanding anything to the contrary herein, disclosure of information by the Company to the Buyer or its representatives regarding the proposed filing of a Registration Statement, Offering Circular or Supplement (each as defined in the Purchase Agreement) as described in Exhibit C to the Purchase Agreement, and any other information related thereto, shall not be subject to this Section 3.22.

3.23 Unavailability of Rule 144. If, at any time on or after the date which is six (6) months after the Issue Date, the Holder is unable to (i) obtain a standard “144 legal opinion letter” from an attorney reasonably acceptable to the Holder, the Holder’s brokerage firm (and respective clearing firm), and the Borrower’s transfer agent in order to facilitate the Holder’s conversion of any portion of the Note into free trading shares of the Borrower’s Common Stock pursuant to Rule 144, and/or (ii) thereupon deposit such shares into the Holder’s brokerage account.

3.24 Delisting or Suspension of Trading of Common Stock. If, at any time on or after the Issue Date, the Borrower’s Common Stock (i) is suspended from trading, (ii) halted from trading, and/or (iii) fails to be quoted or listed (as applicable) on any level of the OTC Markets, any tier of the NASDAQ Stock Market, the New York Stock Exchange, or the NYSE MKT.

3.25 Rights and Remedies Upon an Event of Default. Upon the occurrence and during the continuation of any Event of Default specified in this Article III, this Note shall become immediately due and payable and the Borrower shall pay to the Holder, in full satisfaction of its obligations hereunder, an amount (the “Default Amount”) equal to the Principal Amount then outstanding plus accrued interest (including any Default Interest) through the date of full repayment multiplied by 150%. Holder may, in its sole discretion, determine to accept payment part in Common Stock and part in cash. For purposes of payments in Common Stock, the conversion formula set forth in Section 1.2 shall apply. Upon an uncured Event of Default, all amounts payable hereunder shall immediately become due and payable, all without demand, presentment or notice, all of which hereby are expressly waived by the Borrower, 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, including, without limitation, those set forth in Section 3.26 below. Further, if a breach of Sections 3.2, 3.9, and/or 3.23 occurs or is continuing after the six (6) month anniversary of the Issue Date, then the Holder shall be entitled to use the lowest closing bid price during the delinquency period as a base price for any conversion hereunder (for example, if the lowest closing bid price during the delinquency period is \$0.50 per share and the conversion discount is fifty percent (50%), the Holder may elect to convert future conversions at \$0.25 per share).

3.26 Holder's Right to Confession of Judgment. Upon the occurrence and during the continuation of any Event of Default, and in addition to any other right or remedy of the Holder hereunder, under the Purchase Agreement or otherwise at law or in equity, the Borrower hereby irrevocably authorizes and empowers Holder or its legal counsel, each as the Borrower's attorney-in-fact, to appear ex parte and without notice to the Borrower to confess judgment against the Borrower for the unpaid amount of this Note as evidenced by the Affidavit of Confession of Judgment signed by the Borrower as of the Issue Date and to be completed by the Holder or its counsel pursuant to the foregoing power of attorney (which power is coupled with an interest), a copy of which is attached as Exhibit B hereto (the "Affidavit"). The Affidavit shall set forth the amount then due hereunder, plus attorney's fees and cost of suit, and to release all errors, and waive all rights of appeal. The Borrower waives the right to contest Holder's rights under this Section 3.26, including without limitation the right to any stay of execution and the benefit of all exemption laws now or hereafter in effect. No single exercise of the foregoing right and power to confess judgment will be deemed to exhaust such power, whether or not any such exercise shall be held by any court to be invalid, voidable, or void, and such power shall continue undiminished and may be exercised from time to time as the Holder may elect until all amounts owing on this Note have been paid in full.

3.27 Default Monitoring Fee. Upon the occurrence of any Event of Default in this Article III, Borrower shall pay to Holder a monitoring fee of \$5,000.00 per month so long as any amount due is outstanding under this Note. Such monitoring fee shall be paid, in Holder's sole discretion, (i) in cash within five (5) business days of the end of the month in which the fee was charged; or (ii) added as principal to the Note.

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 of the Holder 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, e-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 e-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:

RESPIRERX PHARMACEUTICALS, INC.
126 Valley Road, Suite C
Glen Rock, New Jersey 07452
Attention: Jeff E. Margolis
e-mail: jmargolis@respirerx.com

With a copy by e-mail only to (which copy shall not constitute notice):

FAEGRE DRINKER BIDDLE & REATH LLP

One Logan Square, Suite 2000
Philadelphia, PA 19103
Attention: Elizabeth Diffley
Email: Elizabeth.diffley@faegredrinker.com

If to the Holder:

FIRSTFIRE GLOBAL OPPORTUNITIES FUND LLC

1040 First Avenue, Suite 190
New York, NY 10022
Attention: Eli Fireman
e-mail: eli@firstfirecapital.com

With a copy by e-mail only to (which copy shall not constitute notice):

FABIAN VANCOTT

215 South Main Street, Suite 1200
Salt Lake City, Utah 84111
Attn: Anthony Michael Panek
e-mail: apanek@fabianvancott.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 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 costs of collection, including reasonable attorneys’ fees.

4.6 Governing Law; Venue; Attorney’s Fees. This Note shall be governed by and construed in accordance with the laws of the State of Delaware without regard to principles of conflicts of laws. Any action brought by either party against the other concerning the transactions contemplated by this Note or any other agreement, certificate, instrument or document contemplated hereby shall be brought only in the state courts located in the state of New York or federal courts located in the state of New York. The Borrower hereby irrevocably waives 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, 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 TRANSACTIONS CONTEMPLATED HEREBY.** 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 Note or any other agreement, certificate, instrument or document contemplated hereby or thereby 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 Note 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. The prevailing party in any action or dispute brought in connection with this the Note or any other agreement, certificate, instrument or document contemplated hereby or thereby shall be entitled to recover from the other party its reasonable attorney’s fees and costs.

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. The Company and the Holder shall be bound by the applicable terms of the Purchase Agreement and the documents entered into in connection herewith and therewith.

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 Change in Control 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 Construction; Headings. This Note shall be deemed to be jointly drafted by the Company and all the Holder and shall not be construed against any person as the drafter hereof. The headings of this Note are for convenience of reference and shall not form part of, or affect the interpretation of, this Note.

4.12 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 action or proceeding that may be brought by the Holder in order to enforce any right or remedy under this Note. Notwithstanding any provision to the contrary contained in this Note, it is expressly agreed and provided that the total liability of the Company under this Note for payments which under the applicable law are 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 which under the applicable law in the nature of interest that the Company may be obligated to pay under this Note exceed such Maximum Rate. It is agreed that if the maximum contract rate of interest allowed by applicable law and applicable to this Note is increased or decreased by statute or any official governmental action subsequent to the Issue Date, the new maximum contract rate of interest allowed by law will be the Maximum Rate applicable to this Note from the effective date thereof 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 Holder with respect to indebtedness evidenced by this the Note, such excess shall be applied by the Holder 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 Holder’s election.

4.13 Severability. In the event that any provision of this Note is invalid or unenforceable under any applicable statute or rule of law (including any judicial ruling), 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 this Note.

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, or amendment to a security that was originally issued before the Issue Date, with terms in the aggregate (“Terms”) that the Holder reasonably believes are more favorable to the holder of such security or with Terms in favor of the holder of such security that the Holder reasonably believes was not similarly provided to the Holder in this Note, then (i) the Borrower shall notify the Holder of such more favorable Terms within one (1) business day of the issuance and/or amendment (as applicable) of the respective security, and (ii) such Term, at Holder’s option, shall become a part of the transaction documents with the Holder (regardless of whether the Borrower complied with the notification provision of this Section 4.14). 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, and original issue discounts, but are to be considered in the aggregate and not individually. If Holder elects to have the Term become a part of the transaction documents with the Holder, then the Borrower shall immediately deliver acknowledgment of such adjustment in form and substance reasonably satisfactory to the Holder (the “Acknowledgment”) within one (1) business day of Borrower’s receipt of request from Holder (the “Adjustment Deadline”), provided that Borrower’s failure to timely provide the Acknowledgment shall not affect the automatic amendments contemplated hereby. If the Acknowledgment is not delivered by the Adjustment Deadline, then \$1,000.00 per day shall be added to the balance of the Note for each day beyond the Adjustment Deadline that the Borrower fails to deliver such Acknowledgment. In addition, the Holder shall have the right, at any time until the Note is satisfied in its entirety, and upon written notice to the Borrower, to purchase an additional convertible promissory note from the Borrower, with the exact same terms and conditions as provided in this Note (with the understanding that the Borrower shall execute the form of this Note and all related transaction documents with updated dates within three (3) business days after the Holder exercises such right). Notwithstanding the foregoing, an equity line term sheet of up to two million dollars (\$2,000,000.00) and an offering on Form 1-A (Regulation A Offering) shall be excepted from this Section 4.14.

4.15 Dispute Resolution. In the case of a dispute as to the determination of the Conversion Price, Conversion Amount, any prepayment amount or Default Amount, Issue, 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 one (1) Trading Day 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 one (1) Trading Day 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 one (1) Trading Day, submit (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, 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 one (1) Trading Day 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.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, Borrower has caused this Note to be signed in its name by its duly authorized officer on July 2, 2020.

RESPIRERX PHARMACEUTICALS, INC.

By: _____
Name: Jeff E. Margolis
Title: Chief Financial Officer

SCHEDULE A—PAYMENT SCHEDULE

Month	Amount Due
1	\$ 0
2	\$ 0
3	\$ 0
4	\$ 0
5	\$ 30,250.00
6	\$ 30,250.00
7	\$ 30,250.00
8	\$ 30,250.00
9	\$ 30,250.00

EXHIBIT A — NOTICE OF CONVERSION

The undersigned hereby elects to convert \$ _____ principal amount of the Note (defined below) into that number of shares of Common Stock to be issued pursuant to the conversion of the Note (“Common Stock”) as set forth below, of **RESPIRERX PHARMACEUTICALS, INC.**, a Delaware corporation (the “Borrower”), according to the conditions of the Convertible Promissory Note of the Borrower dated as of July 2, 2020 (the “Note”), as of the date written below. No fee will be charged to the Holder for any conversion, except for transfer taxes, if any.

Box Checked as to applicable instructions:

- The Borrower shall electronically transmit the Common Stock issuable pursuant to this Notice of Conversion to the account of the undersigned or its nominee with DTC through its Deposit Withdrawal Agent Commission system (“DWAC Transfer”).

Name of DTC Prime Broker:
Account Number:

- The undersigned hereby requests that the Borrower issue a certificate or certificates for the number of shares of Common Stock set forth below (which numbers are based on the Holder’s calculation attached hereto) in the name(s) specified immediately below or, if additional space is necessary, on an attachment hereto:

FIRSTFIRE GLOBAL OPPORTUNITIES FUND LLC
1040 First Avenue, Suite 190
New York, NY 10022
Attn: Eli Fireman
e-mail: eli@firstfirecapital.com

Date of Conversion: _____
Applicable Conversion Price: \$ _____
Costs Incurred by the Undersigned to Convert the Note into
Shares of Common Stock: \$ _____
Number of Shares of Common Stock to be Issued Pursuant to
Conversion of the Note: _____
Amount of Principal Balance Due remaining Under the Note
after this conversion: _____

By: _____
Name:
Title:
Date:

EXHIBIT B

SUPREME COURT OF THE STATE OF NEW YORK
COUNTY OF

FIRSTFIRE GLOBAL OPPORTUNITIES FUND, LLC,

Index No.

Plaintiff,

**AFFIDAVIT OF CONFESSION OF
JUDGMENT**

-against-

RESPIRERX PHARMACEUTICALS, INC.,
Defendants.

STATE OF)

) ss.:

COUNTY OF)

1. I am the Chief Financial Officer of defendant RESPIRERX PHARMACEUTICALS, INC. (the "Company") (together with Affiliate, an individual, the "Borrower") a Delaware corporation located at 126 Valley Road, Suite C, Glen Rock, New Jersey 07452 in Bergen County, and as such, I am fully familiar with all the facts and circumstances recited herein on personal knowledge, I have the authority to act on behalf of the Company, and have been authorized by the Company to execute this affidavit of confession of judgment.

2. I, on behalf of the Company consent to the jurisdiction of this Court.

3. The Company hereby confesses judgment and authorizes entry of judgment in favor of Plaintiff and against Defendant in the Federal District Court for the Southern District of New York, and the Supreme Court of the State of New York, in all counties, including but not limited to, County of New York, County of Rockland, and County of Nassau, in the amount of the Default Amount (as defined in the senior convertible promissory note in the original principal amount of \$137,500.00 between the parties, dated July 2, 2020 (the "Note")), less any payments made on or after the date of this affidavit of confession of judgment, plus interest a default interest rate of twenty-four percent (24%) percent per annum on said amount, plus applicable penalties, reasonable attorney fees, costs, expenses and disbursements. In no event shall interest payable hereunder exceed the maximum permissible under applicable law. Such amount shall be set forth in an affidavit to be executed by Plaintiff or an affirmation by Plaintiff's attorney, which shall be attached hereto at the time of entry of this Confession of Judgment.



4. This Confession of Judgment arises from Defendant's failure to fulfill Defendant's obligations under the Note, of which supporting documents include a Securities Purchase Agreement. In order to secure these obligations, Defendant agreed to simultaneously deliver with the execution of the Note this Affidavit of Confession of Judgment.

5. The Company hereby agrees that the execution and delivery of this Affidavit of Confession of Judgment and any entry of judgment thereon shall be without prejudice to any and all rights of Plaintiff, which reserves all of its rights and remedies against Defendant, including, but not limited to remedies available under the UCC.

6. Borrower agrees to pay any and all costs and expenses incurred by Plaintiff in enforcing the terms of this affidavit of confession of judgment, including reasonable attorneys' fees and expenses that Plaintiff incurs or is billed for in connection with enforcing the terms of the affidavit of confession of judgment, entering any Judgment, collecting upon said Judgment, and defending or prosecuting any appeals.

7. If for any reason entry of judgment in the above specified amount or execution on the same is outside the jurisdiction of this Court, the Company and I hereby consent, on behalf of the Company, to the personal jurisdiction, entry of judgment, and execution thereon in any State or Federal Court of the United States of America.

By: _____
Name: Jeff E. Margolis
Title: Chief Financial Officer

STATE OF _____)
) ss.:
COUNTY OF _____)

THE UNDERSIGNED NOTARY MUST ALSO COMPLETE THE JURAT ON PAGE 1

On the ____ day of _____ in the year ____ before me,

Here insert Name of Notary ,

Notary Public, the undersigned, personally appeared

Here insert Name (s) of Signer(s) ,

personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Signature: _____
Signature of Notary Public

My Commission Expires: _____

Place Notary Seal and/or Stamp Above

WARRANT

NEITHER THIS WARRANT NOR THE SECURITIES ISSUABLE UPON EXERCISE HEREOF HAVE BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), OR ANY APPLICABLE STATE SECURITIES LAW, AND NO INTEREST HEREIN OR THEREIN MAY BE SOLD, DISTRIBUTED, ASSIGNED, OFFERED, PLEDGED OR OTHERWISE TRANSFERRED UNLESS (A) THERE IS AN EFFECTIVE REGISTRATION STATEMENT UNDER SUCH ACT AND APPLICABLE STATE SECURITIES LAWS COVERING ANY SUCH TRANSACTION, (B) THESE SHARES ARE INCLUDED ALONG WITH THE HOLDER AS A SELLING STOCKHOLDER IN A QUALIFIED OFFERING PURSUANT TO REGULATION A, (C) THE COMPANY RECEIVES AN OPINION OF COUNSEL FOR THE HOLDER OF SUCH SECURITIES (CONCURRED IN BY COUNSEL FOR THE COMPANY) THAT SUCH TRANSACTION IS EXEMPT FROM REGISTRATION, OR (D) THE COMPANY OTHERWISE SATISFIES ITSELF THAT SUCH TRANSACTION IS EXEMPT FROM REGISTRATION.

WARRANT TO PURCHASE COMMON STOCK

RESPIRERX PHARMACEUTICALS INC.

Warrant Number: FF-1-JULY 2, 2020

Initial Exercise Date: July 2, 2020

THIS WARRANT TO PURCHASE COMMON STOCK (the "Warrant") certifies that, for value received, FirstFire Global Opportunities Fund LLC or its permitted assigns (the "Holder") is entitled, upon the terms and conditions hereof, and subject to the limitations on exercise hereinafter set forth, at any time on or after the date hereof (the "Initial Exercise Date") and on or prior to 5:00 p.m. New York time on September 30, 2023 (the "Termination Date") but not thereafter, to subscribe for and purchase from RespireRx Pharmaceuticals Inc., a Delaware corporation (the "Company"), 6,875,000 shares (as subject to adjustment hereunder, the "Warrant Shares") of Common Stock. The purchase price of each share of Common Stock under this Warrant shall be equal to the Exercise Price, as defined in Section 2(b).

Section 1. Definition. "Common Stock" as used in this Warrant means the common stock of the Company, par value \$0.001.

Investor Initials:

Section 2. Exercise and Call Provision.

a) Exercise of Warrant. Exercise of the purchase rights represented by this Warrant may be made, in whole or in part, at any time or times on any Business Day (as defined below) on or after the Initial Exercise Date and on or before the Termination Date by delivery to the Company (or such other office or agency of the Company as it may designate by notice in writing to the registered Holder at the address of the Holder appearing on the books of the Company) of a duly completed and executed facsimile or electronic mail copy of the Notice of Exercise form annexed hereto (the "Notice of Exercise"). The Company shall use reasonable best efforts to not affect the exercise of any portion of this Warrant, and the Holder shall not have the right to exercise any portion of this Warrant, pursuant to the terms and conditions of this Warrant and any such exercise shall be null and void and treated as if never made, to the extent that after giving effect to such exercise, the Holder together with any parties with whom or with which the Holder's ownership interest must be aggregated ("Attribution Parties"), collectively would beneficially own in excess of 4.99% (the "Maximum Percentage") of the shares of Common Stock outstanding immediately after giving effect to such exercise. For purposes of the foregoing sentence, the aggregate number of shares of Common Stock beneficially owned by the Holder and the other Attribution Parties shall include the number of shares of Common Stock held by the Holder and all other Attribution Parties plus the number of shares of Common Stock issuable upon exercise of this Warrant with respect to which the determination of such sentence is being made, but shall exclude shares of Common Stock which would be issuable upon (A) exercise of the remaining, unexercised portion of this Warrant beneficially owned by the Holder or any of the other Attribution Parties and (B) exercise or conversion of the unexercised or unconverted portion of any other securities of the Company (including, without limitation, any convertible notes) beneficially owned by the Holder or any other Attribution Party subject to a limitation on conversion or exercise analogous to the limitation contained in this Section 2(a). For purposes of this Section 2(a), beneficial ownership shall be calculated in accordance with Section 13(d) of the Securities Exchange Act of 1934, as amended (the "1934 Act") and the rules promulgated thereunder. For purposes of determining the number of outstanding shares of Common Stock the Holder may acquire upon the exercise of this Warrant without exceeding the Maximum Percentage, the Holder may rely on the number of outstanding shares of Common Stock as reflected in (x) the Company's most recent Annual Report on Form 10-K, Quarterly Report on Form 10-Q, Current Report on Form 8-K or other public filing with the SEC, as the case may be, (y) a more recent public announcement by the Company or (z) any other more recent written notice by the Company or the Transfer Agent, if any, setting forth the number of shares of Common Stock outstanding (the "Reported Outstanding Share Number"). If the Company receives a Notice of Exercise from the Holder at a time when the actual number of outstanding shares of Common Stock is less than the Reported Outstanding Share Number, the Company shall (i) notify the Holder in writing of the number of shares of Common Stock then outstanding and, to the extent that such Notice of Exercise would otherwise cause the Holder's beneficial ownership, as determined pursuant to this Section 2(a), to exceed the Maximum Percentage, the Holder must notify the Company of a reduced number of Warrant Shares to be acquired pursuant to such Notice of Exercise (the number of shares by which such purchase is reduced, the "Reduction Shares") and (ii) as soon as reasonably practicable, the Company shall return to the Holder any exercise price paid by the Holder for the Reduction Shares. For any reason at any time, upon the written or oral request of the Holder, the Company shall within one (1) Business Day (as defined below) confirm orally and in writing or by electronic mail to the Holder the number of shares of Common Stock then outstanding. If, in the opinion of the Company, the number of shares of Common Stock then outstanding is materially different from the most current publicly available source of such information, the Company shall, prior to disclosing the actual number of shares of Common Stock outstanding, disclose the actual number in any of the manners described above, prior to disclosing such number to the Holder. 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 and any other Attribution Party since the date as of which the Reported Outstanding Share Number was reported. In the event that the issuance of shares of Common Stock to the Holder upon exercise of this Warrant results in the Holder and the other Attribution Parties being deemed to beneficially own, in the aggregate, more than the Maximum Percentage of the number of outstanding shares of Common Stock (as determined under Section 13(d) of the 1934 Act and the rules promulgated thereunder), the number of shares so issued by which the Holder's and the other Attribution Parties' aggregate beneficial ownership exceeds the Maximum Percentage (the "Excess Shares") shall be deemed null and void and shall be cancelled ab initio, and the Holder shall not have the power to vote or to transfer the Excess Shares. As soon as reasonably practicable after the issuance of the Excess Shares has been deemed null and void, (i) the Company shall return to the Holder the exercise price paid by the Holder for the Excess Shares, and (ii) the Holder shall provide any documentation reasonably requested by the Company to effect such cancellation on the records of the Company and its transfer agent. Upon delivery of a written notice to the Company, the Holder may from time to time increase or decrease the Maximum Percentage to any other percentage as specified in such notice; provided that (i) any such increase in the Maximum Percentage will not be effective until the sixty-first (61st) day after such notice is delivered to the Company, and (ii) any such increase or decrease will apply only to the Holder and the other Attribution Parties and not to any other holder of Warrants issued in connection with the Purchase Agreement that is not an Attribution Party of the Holder. For purposes of clarity, the shares of Common Stock issuable pursuant to the terms of this Warrant in excess of the Maximum Percentage shall not be deemed to be beneficially owned by the Holder for any purpose including for purposes of Section 13(d) of the 1934 Act or Rule 16a-1(a)(1) promulgated under the 1934 Act. No prior inability to exercise this Warrant pursuant to this paragraph shall have any effect on the applicability of the provisions of this paragraph with respect to any subsequent determination of exercisability. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 2(a) to the extent necessary to correct this paragraph or any portion of this paragraph which may be defective or inconsistent with the intended beneficial ownership limitation contained in this Section 2(a) or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitation contained in this paragraph may not be waived and shall apply to a successor holder of this Warrant. Within three (3) Business Days (as defined below) following the date of exercise as aforesaid, the Holder shall deliver the aggregate Exercise Price (as defined below) for the shares specified in the applicable Notice of Exercise by wire transfer in immediately available funds or cashier's check drawn on a United States bank in immediately available funds. A "Business Day," means any day other than a Saturday or Sunday or any day that national commercial banks in New York City, New York are authorized or required to close or any day that the NASDAQ stock markets or any other nationally recognized stock markets are closed. Notwithstanding anything herein to the contrary, the Holder shall not be required to physically surrender this Warrant to the Company until the Holder has purchased all of the Warrant Shares available hereunder and the Warrant has been exercised in full, in which case, the Holder shall surrender this Warrant to the Company for cancellation within three (3) Business Days of the date the final Notice of Exercise is delivered to the Company. 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. The Company, either directly or through its representative, shall maintain, or cause to be maintained, records showing the number of Warrant Shares purchased and the date of such purchases, which records shall be deemed to be accurate absent manifest error. The Company shall deliver any objection to any Notice of Exercise within two (2) Business Days of actual receipt of such notice. The Holder and any assignee, by acceptance of this Warrant, acknowledge and agree that, by reason of the provisions of

this paragraph, following the purchase of a portion of the Warrant Shares hereunder, the number of Warrant Shares available for purchase hereunder at any given time may be less than the amount stated on the face hereof.

Investor Initials:

b) Exercise Price. The exercise price per share of the Common Stock under this Warrant initially shall be \$0.007 per share, subject to adjustment hereunder (including, without limitation, under Sections 2 and 3 hereof) (as adjusted, the "Exercise Price").

c) Mechanics of Exercise.

i. Delivery of Certificates Upon Exercise. Certificates for shares issuable upon the exercise hereof shall be transmitted by the transfer agent of the Company to the Holder by crediting the account of the Holder's broker with the Depository Trust Company through its Deposit Withdrawal Agent Commission ("DWAC") system if the Company is a participant in such system and such shares are eligible for legend removal, and otherwise by physical delivery to the address specified by the Holder in the Notice of Exercise on the date that is no more than three (3) Business Days after the latest of (A) the delivery to the Company of the Notice of Exercise, (B) surrender of this Warrant (if required), and (C) payment of the aggregate Exercise Price as set forth above (such date, the "Warrant Share Delivery Date"). Upon (A) delivery of Notice of Exercise, (B) payment to the Company of the Exercise Price in good funds by either certified check, wire transfer or other similar payment method, and (C) payment of all taxes, if any, required to be paid by the Holder prior to the issuance of such shares pursuant to Section 2(c)(v), then, irrespective of the date such Warrant Shares are credited to the Holder's DTC account or the date of delivery of the certificates evidencing such Warrant Shares (as the case may be), the Warrant Shares shall be deemed to have been issued, and Holder or any other person so designated to be named therein shall be deemed to have become a holder of record of such shares for all purposes.

ii. Delivery of New Warrants Upon Exercise. If this Warrant shall have been exercised in part, the Company shall, at the request of a Holder and upon surrender of this Warrant, at the time of delivery of the certificate or certificates representing Warrant Shares, deliver to the Holder a new Warrant evidencing the rights of the Holder to purchase the unpurchased Warrant Shares called for by this Warrant, which new Warrant shall in all other respects be identical with this Warrant.

iii. Rescission Rights. If the Company fails to transmit, or to cause the transfer agent of the Company to transmit, to the Holder a certificate or the certificates representing the Warrant Shares pursuant to Section 2(d)(i) by the Warrant Share Delivery Date, then the Holder will have the right to rescind such exercise.

iv. No Fractional Shares or Scrip. No fractional shares or scrip representing fractional shares shall be issued upon the exercise of this Warrant. As to any fraction of a share which the Holder would otherwise be entitled to purchase upon such exercise, the Company shall, at its election, either pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the Exercise Price or round up to the next whole share.

v. Charges, Taxes and Expenses. Issuance of certificates for Warrant Shares shall be made without charge to the Holder for any issue or transfer tax or other incidental expense in respect of the issuance of such certificate, all of which taxes and expenses shall be paid by the Company, and such certificates shall be issued in the name of the Holder or in such name or names as may be directed by the Holder; provided, however, that in the event certificates for Warrant Shares are to be issued in a name other than the name of the Holder, this Warrant when surrendered for exercise shall be accompanied by the Assignment Form attached hereto (the "Assignment Form") duly executed by the Holder and the Company may require, as a condition thereto, the payment of a sum sufficient to reimburse it for any transfer tax incidental thereto.

vi. Closing of Books. The Company will not close its stockholder books or records in any manner that prevents the timely exercise of this Warrant, pursuant to the terms hereof.

Investor Initials:

vii. Acquisitions. If at any time while this Warrant is outstanding there is an Acquisition (as defined below) in which the Company is not the surviving entity, then the Holder shall receive from any surviving entity or successor to the Company, in exchange for this Warrant, a new warrant in the surviving entity or successor to the Company substantially in the form of this Warrant and with an exercise price adjusted to reflect the nearest equivalent exercise price of common stock (or other applicable equity interest) of the surviving entity that would reflect the economic value of this Warrant, but in the surviving entity. An “Acquisition” shall mean the closing of a merger, share exchange, consolidation, acquisition of all or substantially all of the assets or stock, reorganization or liquidation of the Company that results in the stockholders of the Company immediately prior to such transaction owning less than 50% of the voting capital stock of the Company (or its successor or parent corporation) immediately after the transaction or, in the case of a sale of assets or liquidation, the Company owning after the transaction less than substantially all of the assets owned by the Company prior to the transaction (other than an issuance of equity securities for the primary purpose of raising capital) or any other event that constitutes a “Capital Change” under the Company’s Second Restated Certificate of Incorporation, as it may be amended, restated or otherwise modified from time to time. The Holder shall execute all documentation required to be executed by the Company or the acquirer or successor of the Company in connection with the Acquisition, including, without limitation, escrow, indemnification and other similar agreements. Subject to and to the extent permitted by applicable law, the Company will endeavor to notify the Holder of any proposed Acquisition at least 30 days prior to the date of any Acquisition (or such shorter period as reasonably practicable under the circumstances); provided that the failure to so notify the Holder shall not in any way impair the Acquisition.

e. Call Provision. If at any time prior to the expiration of, or the exercise by the Holder of this Warrant the closing price of Company’s Common Stock closes at \$0.075 or more for five (5) consecutive trading days (the “Trading Price Condition”), the Company shall have the right to call, redeem and cancel this Warrant on the tenth day after written notice by the Company to the Holder and payment to the Holder in cash of \$0.001 per Warrant Share. To effectively exercise this call provision, such written notice of intent to exercise the call provision under this Section 2(e) must be provided by the Company by the close of business on the second trading day following satisfaction of the Trading Price Condition. The Holder may exercise this Warrant after written notice by the Company, but before the tenth day after such written notice, which exercise shall nullify the Company’s right to call, redeem and cancel this Warrant. Failure by the Company to provide timely notice shall preclude the Company from exercising this call provision with respect to the satisfaction of the Trading Price Condition over that five (5) consecutive trading day period but shall not preclude the Company from exercising this call provision with respect to satisfaction of the Trading Price Condition over any other subsequent five (5) consecutive trading days. The Company may not call, redeem or cancel any portion of this Warrant that may not be exercised during the ten (10) day notification period pursuant to the restrictions on exercise in Section 2(a). This Call Provision shall not be applicable to the portion of the Warrant, which if exercised would cause Holder or Attribution Parties to hold in excess of the Maximum Percentage described in Section 2(a) above.

Section 3. Certain Adjustments.

a) Stock Dividends and Splits. If the Company, at any time while this Warrant is outstanding: (i) pays a stock dividend or otherwise makes a distribution or distributions on shares of its Common Stock or any other equity or equity equivalent securities payable in shares of Common Stock (which, for avoidance of doubt, shall not include any shares of Common Stock issued by the Company upon exercise of this Warrant, (ii) subdivides outstanding shares of Common Stock into a larger number of shares, (iii) combines (including by way of reverse stock split) outstanding shares of Common Stock into a smaller number of shares or (iv) issues by reclassification of shares of the Common Stock any shares of capital stock of the Company, then in each case the Exercise Price shall be multiplied by a fraction of which the numerator shall be the number of shares of Common Stock (excluding treasury shares, if any) outstanding immediately before such event and of which the denominator shall be the number of shares of Common Stock outstanding immediately after such event, and the number of shares issuable upon exercise of this Warrant shall be proportionately adjusted such that the aggregate Exercise Price of this Warrant shall remain unchanged. Any adjustment made pursuant to this Section 3(a) 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 reclassification.

b) Calculations. All calculations under this Section 3 shall be made to the nearest 1/100th of a cent or the nearest 1/100th of a share, as the case may be. For purposes of this Section 3, the number of shares of Common Stock deemed to be issued and outstanding as of a given date shall be the sum of the number of shares of Common Stock (excluding treasury shares, if any) issued and outstanding.

Investor Initials:

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c) Notice to Holder.

i. Adjustment to Exercise Price. Whenever the Exercise Price is adjusted pursuant to this Section 3, the Company shall promptly mail to the Holder a notice setting forth the Exercise Price after such adjustment and any resulting adjustment to the number of Warrant Shares and setting forth a brief statement of the facts requiring such adjustment.

ii. Notice to Allow Exercise by Holder. If (A) the Company shall declare a special nonrecurring cash dividend on or a redemption of the Common Stock, (B) the Company shall authorize the granting to all holders of the Common Stock rights or warrants to subscribe for or purchase any shares of capital stock of any class or of any rights, or (C) the Company shall authorize the voluntary or involuntary dissolution, liquidation or winding up of the affairs of the Company, any of the events in Section 3.(c)ii (A), (B) or (C) being an “Event”, then, in each case, the Company shall cause to be mailed to the Holder at its last address as it shall appear upon the Warrant Register (as defined below) of the Company, at least ten (10) calendar days prior to the applicable record or effective date hereinafter specified, a notice stating (x) the date on which a record is to be taken for the purpose of such dividend, distribution, redemption, rights or warrants, or if a record is not to be taken, the date as of which the holders of the Common Stock of record shall be entitled to such dividend, distributions, redemption, rights or warrants are to be determined or (y) the date on which such Event is expected to become effective or close, as applicable, and the date as of which it is expected that holders of the Common Stock of record shall be entitled to exchange their shares of the Common Stock for securities, cash or other property deliverable upon such Event; provided that the failure to mail such notice or any defect therein or in the mailing thereof shall not affect the validity of the corporate action required to be specified in such notice. The Holder shall remain entitled to exercise this Warrant during the period commencing on the date of such notice to the effective date of the Event triggering such notice except as may otherwise be expressly set forth herein.

Section 4. Transfer of Warrant.

a) Transferability. Subject to compliance with any applicable securities laws, the conditions set forth in Section 4(d) hereof, and the prior written consent of the Company, this Warrant and all rights hereunder (including, without limitation, any registration rights) are transferable, in whole or in part, upon surrender of this Warrant at the principal office of the Company or its designated agent, together with an Assignment Form duly executed by the Holder or its agent or attorney and funds sufficient to pay any transfer taxes payable upon the making of such transfer. Upon such surrender and, if required, such payment, the Company shall execute and deliver a new Warrant or Warrants in the name of the assignee or assignees, as applicable, and in the denomination or denominations specified in such instrument of assignment and shall issue to the assignor a new Warrant evidencing the portion of this Warrant not so assigned, and this Warrant shall promptly be cancelled. The Warrant, if properly assigned in accordance herewith, may be exercised by a new holder for the purchase of Warrant Shares without having a new Warrant issued.

b) New Warrants. This Warrant may be divided or combined with other Warrants upon presentation hereof at the aforesaid office of the Company, together with a written notice specifying the names and denominations in which new Warrants are to be issued, signed by the Holder or its agent or attorney. Subject to compliance with Section 4(a), as to any transfer which may be involved in such division or combination, the Company shall execute and deliver a new Warrant or Warrants in exchange for the Warrant or Warrants to be divided or combined in accordance with such notice. All Warrants issued on transfers or exchanges shall be dated the Initial Exercise Date and shall be identical with this Warrant except as to the number of Warrant Shares issuable pursuant thereto.

Investor Initials:

c) Warrant Register. The Company shall, either directly or through its representative, record or cause to be recorded, this Warrant, upon records to be maintained by the Company for that purpose (the "Warrant Register"), in the name of the record Holder hereof from time to time, which Warrant Register shall be deemed to be accurate absent manifest error. The Company may deem and treat the registered Holder of this Warrant as the absolute owner hereof for the purpose of any exercise hereof or any distribution to the Holder, and for all other purposes, absent actual notice to the contrary.

d) Transfer Restrictions. If, at the time of the surrender of this Warrant in connection with any transfer of this Warrant, the transfer of this Warrant shall not be either (i) registered pursuant to an effective registration statement under the Securities Act and under applicable state securities or blue sky laws or (ii) qualified in a qualified offering pursuant to Regulation A, (ii) eligible for resale without volume or manner-of-sale restrictions or current public information requirements pursuant to Rule 144 promulgated under the Securities Act, the Company may require, as a condition of allowing such transfer, that the Holder or transferee of this Warrant satisfy any other reasonable conditions established by the Company, including, without limitation, a legal opinion reasonably acceptable to the Company with respect to such transfer.

e) Representation by the Holder. The Holder, by the acceptance hereof, represents and warrants that it is acquiring this Warrant and, upon any exercise hereof, will acquire the Warrant Shares issuable upon such exercise, for its own account and not with a view to or for distributing or reselling such Warrant Shares or any part thereof in violation of the Securities Act or any applicable state securities law, except pursuant to sales registered, qualified or exempted under the Securities Act. The Holder acknowledges that the Warrant Shares will not initially be registered under the Securities Act of 1933, as amended, or any applicable statute or foreign securities law, and will therefore not be freely transferable.

Section 5. Miscellaneous.

a) No Rights as Stockholder Until Exercise. This Warrant does not entitle the Holder to any voting rights, dividends or other rights as a stockholder of the Company prior to the exercise hereof as set forth in Section 2(d)(i).

b) Loss, Theft, Destruction or Mutilation of Warrant. The Company covenants that upon receipt by the Company of evidence reasonably satisfactory to it of the loss, theft, destruction or mutilation of this Warrant or any stock certificate relating to the Warrant Shares, and in case of loss, theft or destruction, of indemnity or security reasonably satisfactory to it (which, in the case of the Warrant, shall not include the posting of any bond), and upon surrender and cancellation of such Warrant or stock certificate, if mutilated, the Company will make and deliver a new Warrant or stock certificate of like tenor and dated as of such cancellation, in lieu of such Warrant or stock certificate.

c) Saturdays, Sundays, Holidays, etc. If the last or appointed day for the taking of any action or the expiration of any right required or granted herein shall not be a Business Day, then, such action may be taken or such right may be exercised on the next succeeding Business Day.

Investor Initials:

d) Authorized Shares.

The Company covenants that, during the period the Warrant is outstanding, it will reserve from its authorized and unissued Common Stock a sufficient number of shares to provide for the issuance of the Warrant Shares upon the exercise of any purchase rights under this Warrant. The Company further covenants that its issuance of this Warrant shall constitute full authority to its officers who are charged with the duty of executing stock certificates to execute and issue the necessary certificates for the Warrant Shares upon the exercise of the purchase rights under this Warrant. The Company will take all such reasonable action as may be necessary to assure that such Warrant Shares may be issued as provided herein without violation of any applicable law or regulation, or of any requirements of the trading market upon which the Common Stock may be listed. The Company covenants that all Warrant Shares which may be issued upon the exercise of the purchase rights represented by this Warrant will, upon exercise of the purchase rights represented by this Warrant and payment for such Warrant Shares in accordance herewith, be duly authorized, validly issued, fully paid and nonassessable and free from all taxes, liens and charges created by the Company in respect of the issue thereof (other than taxes in respect of any transfer occurring contemporaneously with such issue).

Except and to the extent waived or consented to by the Holder, the Company shall not by any action, including, without limitation, amending its certificate of incorporation or through any reorganization, transfer of assets, consolidation, merger, 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, but will at all times in good faith assist in the carrying out of all such terms and in the taking of all such actions as may be necessary or reasonably appropriate to protect the rights of Holder as set forth in this Warrant against impairment. Without limiting the generality of the foregoing, the Company will (i) not increase the par value of any Warrant Shares above the amount payable therefor upon such exercise immediately prior to such increase in par value, (ii) take all such action as may be necessary or reasonably appropriate in order that the Company may validly and legally issue fully paid and nonassessable Warrant Shares upon the exercise of this Warrant and (iii) use commercially reasonable efforts to obtain all such authorizations, exemptions or consents from any public regulatory body having jurisdiction thereof, as may be, necessary to enable the Company to perform its obligations under this Warrant.

Before taking any action which would result in an adjustment in the number of Warrant Shares for which this Warrant is exercisable or in the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.

e) Jurisdiction. This Warrant is a contract between the Company and the Holder and its terms shall be governed by and construed in accordance with the laws of the State of New York applicable to contracts made and to be performed in the State of New York, without giving effect to any choice or conflict of law provision or rule of that or any other jurisdiction. The Company and each Holder irrevocably consent to the jurisdiction of the United States federal courts and the state courts located in New York City, in any suit or proceeding based on or arising under this Warrant and irrevocably agree that all claims in respect of such suit or proceeding may be determined in such courts. The Company and each Holder irrevocably waives the defense of an inconvenient forum to the maintenance of such suit or proceeding in such forum. The Company further agrees that service of process upon the Company mailed by first class mail shall be deemed in every respect effective service of process upon the Company in any such suit or proceeding. Nothing herein shall affect the right of any Holder to serve process in any other manner permitted by law. The Company agrees that a final non-appealable judgment in any such suit or proceeding shall be conclusive and may be enforced in other jurisdictions by suit on such judgment or in any other lawful manner.

Investor Initials:

f) Restrictions. The Holder acknowledges that the Warrant Shares acquired upon the exercise of this Warrant, if not registered, will have restrictions upon resale imposed by state and federal securities laws.

g) Nonwaiver. No course of dealing or any delay or failure to exercise any right hereunder on the part of Holder shall operate as a waiver of such right or otherwise prejudice the Holder's rights, powers or remedies, notwithstanding the fact that all rights hereunder terminate on the Termination Date.

h) Notices. Any notice, request or other document required or permitted to be given or delivered to the Holder by the Company shall be deemed delivered the day after the date sent if sent by overnight courier, the same day sent if sent by facsimile transmission or email with confirmation of receipt by the Holder, or three (3) days after deposit with the US Postal Service if sent via certified mail or first class mail if sent to the Holder at the address, facsimile number or email address provided by the Holder as of the last date on which Holder communicated in writing such contact information to the Company.

i) Remedies. The Holder, in addition to being entitled to exercise all rights granted by law, including recovery of damages, will be entitled to specific performance of its rights under this Warrant. The Company agrees that monetary damages would not be adequate compensation for any loss incurred by reason of a breach by it of the provisions of this Warrant and hereby agrees to waive and not to assert the defense in any action for specific performance that a remedy at law would be adequate.

j) Successors and Assigns. Subject to applicable securities laws, the provisions and limitations of this Warrant, and the prior written consent of the Company, the rights and obligations evidenced hereby shall inure to the benefit of and be binding upon the successors and permitted assigns of the Company and the successors and permitted assigns of Holder. Such successors or permitted assigns of the Holder shall be deemed to be the Holder for all purposes hereunder. The provisions of this Warrant are intended to be for the benefit of any Holder from time to time of this Warrant and shall be enforceable by the Holder or holder of Warrant Shares. Nothing herein, express or implied, is intended to or shall confer upon any other person any legal or equitable right, benefit or remedy of any nature whatsoever, under or by reason of this Warrant.

k) Entire Agreement. This Warrant constitutes the sole and entire agreement of the parties to this Warrant with respect to the subject matter contained herein, and supersedes all prior and contemporaneous understandings and agreements, both written and oral, with respect to such subject matter.

l) Amendment. This Warrant may be modified or amended or the provisions hereof waived with the written consent of the Company and the Holder.

m) Severability. Wherever possible, each provision of this Warrant shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this Warrant shall be prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provisions or the remaining provisions of this Warrant.

n) Headings. The headings used in this Warrant are for the convenience of reference only and shall not, for any purpose, be deemed a part of this Warrant.

o) Waiver of Jury Trial. Each party acknowledges and agrees that any controversy which may arise under this Warrant is likely to involve complicated and difficult issues and, therefore, each such party irrevocably and unconditionally waives any right it may have to a trial by jury in respect of any legal action arising out of or relating to this Warrant or the transactions contemplated hereby.

(Signature Page Follows)

Investor Initials:

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IN WITNESS WHEREOF, the Company has caused this Warrant to be executed by its officer thereunto duly authorized as of the 2nd day of July, 2020.

RESPIRERX PHARMACEUTICALS INC.

By: _____
Name: Jeff Eliot Margolis
Title: Senior Vice President, , Chief Financial Officer,
Treasurer and Secretary

Investor Initials:

AGREED AND ACCEPTED:

[HOLDER]

Signature: _____

Name (print): _____

Address: _____

Email: _____

Facsimile Number: _____

Investor Warrant Signature Page

Investor Initials:

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NOTICE OF EXERCISE

TO: RESPIRERX PHARMACEUTICALS INC.

(1) The undersigned, pursuant to the provisions set forth in the attached Warrant No. _____, hereby irrevocably elects to purchase *(check applicable box)*:

_____ shares of the Common Stock of RespireRx Pharmaceuticals Inc. covered by such Warrant.

(2) The undersigned herewith makes payment of the full purchase price for such shares at the price per share provided for in such Warrant. Such payment takes the form of *(check applicable box or boxes)*:

check in the amount of \$ _____ in lawful money of the United States

certified check in the amount of \$ _____ in lawful money of the United States

ACH transfer in the amount of \$ _____ in lawful money of the United States

wire transfer in the amount of \$ _____ in lawful money of the United States

Other (describe) _____ in the amount of \$ _____ in lawful money of the United States

(3) Please issue a certificate or certificates representing said Warrant Shares in the name of the undersigned or in such other name as is specified below:

(please print or type name and address)

(please insert social security or other identifying number)

The Warrant Shares shall be delivered to the following:

(please print or type name and address)

and if such number of shares of Common Stock shall not be all the shares evidenced by this Warrant Certificate, that a new Warrant for the balance of such shares be registered in the name of, and delivered to, Holder.

Investor Initials:

The Warrant Shares shall be delivered to the following DWAC Account Number or by physical delivery of a certificate to:

(4) Accredited Investor. The undersigned is an “accredited investor” as defined in Regulation D promulgated under the Securities Act of 1933, as amended. If this representation cannot be made, please explain the basis upon which the Holder is eligible to exercise this Warrant.

[SIGNATURE OF HOLDER]

Name of Investing Entity: _____

Signature of Authorized Signatory of Investing Entity: _____

Name of Authorized Signatory: _____

Title of Authorized Signatory: _____

Date: _____

Investor Initials:

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ASSIGNMENT FORM

(To assign the foregoing warrant, execute this form and supply required information. Do not use this form to exercise the warrant.)

FOR VALUE RECEIVED, [] all of or [] shares of the foregoing Warrant and all rights evidenced thereby are hereby assigned to

_____ whose address is

Dated: _____, _____

Holder's Signature: _____

Holder's Address: _____

Assignee's Signature: _____

Company's Signature: _____

NOTE: The signature to this Assignment Form must correspond with the name as it appears on the face of the Warrant, without alteration or enlargement or any change whatsoever, and must be guaranteed by a bank or trust company. Officers of corporations and those acting in a fiduciary or other representative capacity should file proper evidence of authority to assign the foregoing Warrant.

Investor Initials: