



PLEASE BE SURE TO INCLUDE A COPY OF YOUR ORGANIZATION'S OPERATING AGREEMENT

I, _____, being a duly authorized representative of _____, a limited liability company duly organized and validly existing under the laws of _____, and having its principal place of business at _____ (the "Company"), or of a corporation or other entity that is the managing member or manager of the Company, hereby (a) represent and warrant that the undersigned is a duly authorized representative of such entity and is duly authorized to execute this Certificate on behalf of such entity (as applicable, in its individual capacity and in its capacity as managing member or manager of the Company), and (b) certify as follows on behalf of the Company (and, as applicable, such entity that is the managing member or manager of the Company):

Opening of Brokerage Account(s); Conducting Transactions

I CERTIFY THAT the Company is authorized and directed to establish and maintain, on its own behalf, or, if the Account is in the name of a partnership or other entity of which the Company is a general partner or authorized representative, on behalf of that partnership or other entity, one or more accounts (including margin accounts) (each, and collectively, the "Account"), and to engage in any of the transactions hereinafter described, with or through TradeStation or any of its now or hereafter existing affiliated entities, through an Account or otherwise. TradeStation, to the fullest extent permitted by law, is authorized to act as principal or agent in such transactions.

Trading Authority*

RESOLVED, that the Corporation, on its own behalf, or, if the Account is in the name of a partnership, limited liability company or other entity of which the Corporation is a general partner, managing member or other authorized representative, on behalf of that partnership, limited liability company or other entity, is hereby authorized and empowered to purchase (including on a forward or when-issued basis or on margin), hold, finance, lend, hypothecate, pledge, exercise, convert, tender, redeem, exchange, transfer, assign, sell (including short, when-issued and forward sales), enter into, write, issue and otherwise deal and trade, singly or in combination, in the following:

- **Securities (General):** any and all forms of securities, trust certificates, evidences of interest, participation or indebtedness of any kind whatsoever, whether publicly registered or exempt from registration (for example, as a private placement or exempt security), including, without limitation, the securities, instruments and transactions listed in the categories set forth below;
- **Debt Securities:** any and all forms of bonds, debentures or notes of any coupon (including "zero coupon") or maturity, including but not limited to obligations issued or guaranteed by the United States Government or any of its agencies or instrumentalities, Government Sponsored Enterprises, foreign sovereign nations, corporations or other entities, including special purpose entities, whether investment grade, unrated or high yield or secured or unsecured;
- **Equity Securities:** any and all forms of common and preferred stock, scrip, warrants and rights;
- **Mortgages, Mortgage-Backed and Other Asset-Backed Securities:** whole mortgage loans and interests and participations in mortgage loans, whether residential or commercial or multi-family; mortgage-backed, mortgage-related or mortgage-derived securities or instruments of any kind whatsoever including, but not limited to, any tranches of collateralized mortgage obligations, REMICs, mortgage pass-through certificates and participation certificates, whether issued or guaranteed by or backed by collateral of a government agency, Government Sponsored Enterprise or a private issuer, including, but not limited to, planned or targeted amortization, interest-only, principal-only, floating rate, inverse floating rate or zero coupon classes, interest-only or principal-only strips or mortgage residuals or any combination of the foregoing; all forms and tranches of asset-backed securities, including, but not limited to, securities backed by auto, truck, boat, home equity, credit card loans, and any other form of consumer debt or business debt, lease payments, any form of bank debt, and interests in and debt instruments issued by entities whose principal assets are any of the foregoing and any asset-backed residual;
- **Repurchase, Reverse Repurchase and Securities Lending and Similar Transactions:** repurchase and reverse repurchase transactions, securities lending, bonds borrow pledge, dollar rolls, buy forward sale and other similar transactions involving cash or any kind of security, asset-backed interest or participation or other financial instrument;
- **Money Market Instruments; Bank Notes and Bank Loans:** money market instruments, including but not limited to bankers acceptances, certificates of deposit and commercial paper, deposit notes and other bank notes and corporate, commercial or sovereign loans or obligations;
- **Foreign Exchange:** spot and forward transactions in foreign currencies, currency futures contracts, and listed or over-the-counter options on foreign currencies;
- **Commodities and Futures:** commodities and commodity, financial and equity contracts and listed and over-the-counter or other options or derivatives on any of the foregoing;
- **Options and Certain Derivative Securities:** any and all forms of listed or over-the-counter or other options (whether or not "covered") on, and securities or futures whose performance is linked to, individual securities, groups or indices of securities, currencies, interest rate indices, commodity indices, financial instruments, or any other derivative transaction type whether or not described in this resolution;
- **Interest Rate, Currency and Other Swap Transactions:** swap transactions, including, but not limited to, interest rate swaps, basis swaps, commodity swaps, rate protection transactions, serialized interest rate options, interest rate futures, caps, collars, floors, corridors, and forward rate agreements, currency swap agreements, cross-currency rate swap agreements, or equity or equity index swaps, or any similar transaction or combination thereof, whether on a forward basis or otherwise, including any option to enter into any of the foregoing;
- **Digital Assets:** any and all digital assets, including cryptocurrencies, virtual currencies or tokens, whether or not deemed or recognized as currencies, securities or commodities, and whether or not listed or over-the-counter or registered or exempt, and all options, futures and other derivatives thereof.
- **International Securities and Transactions:** each of the above itemized securities, obligations, instruments and other transaction types may be dealt in regardless of whether such security, obligation, instrument or other transaction type is issued by, the obligation of, or related to, a foreign person, enterprise or sovereign, is denominated in a foreign currency or trades or is settled on or through a foreign market, exchange or clearinghouse; and
- **Miscellaneous:** any transaction that is similar to any of the transactions described above (including an option or other derivative with respect to any of them), any combination of these transactions or any other transaction, whether or not described in this resolution.

* INVESTMENTS OR TRANSACTIONS NOT AUTHORIZED ARE CROSSED OUT.

Each of the following persons is hereby individually authorized for and on behalf of the Company, acting alone, (1) to give to and receive from TradeStation oral, written or electronic instructions, confirmations, notices or demands with respect to any Account or transaction; (2) to have complete authority at all times to bind the Company (and the partnership or other entity for which the Company acts, if applicable) to the performance of any transaction or agreement, amendment or modification thereof, relating to any Account or transaction involving the Company (or the partnership or other entity for which the Company acts, if applicable); (3) to lend or borrow money, financial instruments or currencies or securities or contracts or digital assets and to secure the repayment thereof with the property of the Company (or the partnership or other entity for which the Company acts, if applicable); (4) to pay in cash or by check or draft drawn upon the funds of the Company (or the partnership or other entity for which the Company acts, if applicable) any sums required to be paid in connection with any Account or transaction; (5) to order the transfer or delivery of any securities, contracts, funds, digital assets, financial instruments or currencies, or other property to such person or to any other person or entity; (6) to order the transfer of record of any securities, contracts, funds, digital assets, financial instruments or currencies, or other property to any name and to accept delivery of any securities, contracts, funds, financial instruments or currencies, or other property; (7) to direct the sale or exercise of any rights with respect to any securities, contracts, funds, digital assets, financial instruments or currencies, or other property; (8) to sign for and on behalf of the Company (and the partnership or other entity for which the Company acts, if applicable) all releases, assignments, powers of attorney or other documents in connection with any Account or transaction; (9) to agree to any terms or conditions affecting any Account or transaction; (10) to endorse any securities, contracts, funds, digital assets, financial instruments or currencies, or other property in order to pass title thereto (or to any interest therein); (11) to direct TradeStation to surrender any securities, contracts, funds, financial instruments or currencies, or other property for the purpose of effecting any exchange or conversion thereof or otherwise; (12) to appoint any other person or persons to do any and all things which such named person is hereby empowered to do; and (13) generally, to take all such action as such person may deem necessary or desirable to implement or facilitate the foregoing trading activities:

Name of Person	Title/Firm Name	Specimen Signature

The foregoing shall apply to all transactions and agreements between the Company (and the partnership or other entity for which the Company acts, if applicable) and TradeStation, even if such transactions and agreements were previously entered into by the Company (or the partnership or other entity for which the Company acts, if applicable) and TradeStation (all of which are hereby unconditionally ratified in all respects), shall supersede any prior authorization dealing with the subject matter covered herein and shall remain in full force and effect in all respects until the close of business on the day (if any) after TradeStation receives written notice of the modification or revocation thereof at its offices located at The TradeStation Building, 8050 S.W. 10th Street, Suite 2000, Plantation, FL 33324, Attn: Vice President of Brokerage Client Service. TradeStation is instructed to direct all notices or communications, including demands, notices, confirmations, reports and statements in connection with the Account(s) to the name and address provided to TradeStation in the Account Application and Agreement.

Please provide a copy of the Company's Operating Agreement or similar document and any other documents that authorize the person signing this Certificate on behalf of the Company to do so.

Print Name and Title of Authorized Representative	Signature of Authorized Representative	Date
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