

MIAX Options Exchange Regulatory Circular 2021-12

DATE: March 01, 2021

TO: MIAX Emerald Members

FROM: MIAX Regulatory Department

RE: Market for Underlying Security Used for Openings on MIAX Emerald for Newly Listed Symbols Effective Tuesday, March 02, 2021

The following symbols will start trading on MIAX Emerald beginning Tuesday, March 02, 2021. As set forth in MIAX Emerald Rule 503(d), the Exchange shall use the exchange identified below as the “market for the underlying security” for the purpose of Openings on the Exchange.

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
ABIO	ARCA BIOPHARMA, INC.	NASDAQ
ACCD	ACCOLADE INC	NASDAQ
ACER	ACER THERAPEUTICS INC.	NASDAQ
ACEV	ACE CONVERGENCE ACQUISITION CORP	NASDAQ
ACOR	Acorda Therapeutics, Inc.	NASDAQ
ACTC	ARCLIGHT CLEAN TRANSITION CORPORATION	NASDAQ
ADUS	Addus HomeCare Corporation	NASDAQ
ADV	Advantage Solutions Inc.	NASDAQ
AFRM	AFFIRM HOLDINGS, INC.	NASDAQ
AGS	PLAYAGS INC	NYSE
AHCO	ADAPTHEALTH CORP.	NASDAQ
AIRG	Airgain Inc	NASDAQ
AJAX	AJAX I	NYSE
AJRD	Aerojet Rocketdyne Holdings, Inc.	NYSE
AKTS	AKOUSTIS TECHNOLOGIES, INC	NASDAQ
ALSK	Alaska Communications Systems Group, Inc.	NASDAQ
AMPY	Amplify Energy Corporation	NYSE
AMTX	AEMETIS, INC.	NASDAQ
ANH	ANWORTH MORTGAGE ASSET CORP	NYSE
AOSL	Alpha and Omega Semiconductor Ltd	NASDAQ
AOUT	AMERICAN OUTDOOR BRANDS, INC.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
APG	API GROUP CORPORATION	NYSE
APLT	APPLIED THERAPEUTICS, INC.	NASDAQ
APPH	AppHarvest, Inc.	NASDAQ
APTX	APTINYX INC	NASDAQ
APXT	APEX TECHNOLOGY COMPANY	NASDAQ
AQB	AQUABOUTY TECHNOLOGIES, INC	NASDAQ
AQN	ALGONQUIN POWER & UTILITIES CORP	NYSE
ARQT	ARCUTIS BIOTHERAPEUTICS INC	NASDAQ
ARRY	ARRY TECHNOLOGIES, INC.	NASDAQ
ASO	ACADEMY SPORTS & OUTDOOR INC	NASDAQ
ASPN	ASPEN AEROGELS, INC.	NYSE
ATAC	ALTIMAR ACQUISITION CORPORATION	NYSE
ATKR	Atkore International Group, Inc	NYSE
ATO	Atmos Energy Corp	NYSE
ATOS	Atossa Therapeutics, Inc.	NASDAQ
AVRO	AVROBIO INC	NASDAQ
BALY	Bally's Corporation	NYSE
BCEL	ATRECA, INC.	NASDAQ
BCSF	BAIN CAPITAL SPECIALTY FINANCE, INC.	NYSE
BEAM	BEAM THERAPEUTICS, INC.	NASDAQ
BEEM	BEAM GLOBAL	NASDAQ
BEPC	BROOKFIELD RENEWABLE CORPORATION	NYSE
BFI	BURGERFI INTERNATIONAL, INC.	NASDAQ
BFLY	Butterfly Network, Inc.	NYSE
BFT	FOLEY TRASIMENE ACQUISITION CORP II	NYSE
BIOC	BIOCEPT INC	NASDAQ
BLI	BERKELEY LIGHTS INC	NASDAQ
BNGO	BIONANO GENOMICS, INC.	NASDAQ
BRP	BRP GROUP, INC.	NASDAQ
BTBT	BIT DIGITAL, INC.	NASDAQ
BTWN	BRIDGETOWN HOLDINGS LIMITED	NASDAQ
CAN	CANAAN INC. SPONSORED ADR	NASDAQ
CATB	CATABASIS PHARMACEUTICALS INC	NASDAQ
CBAT	CBAK ENERGY TECHNOLOGY, INC.	NASDAQ
CCX	CHURCHILL CAPITAL CORP II	NYSE
CD	CHINDATA GROUP HOLDINGS LIMITED	NASDAQ
CDR	Cedar Realty Trust, Inc	NYSE
CDXS	Codexis Inc.	NASDAQ
CERC	Cerecor Inc.	NASDAQ
CFRX	CONTRAFECT CORP.	NASDAQ
CGRO	COLLECTIVE GROWTH CORPORATION	NASDAQ
CHIQ	Global X MSCI China Consumer Discretionary ETF	NYSE ARCA
CHNG	CHANGE HEALTHCARE INC	NASDAQ
CIVB	Civista BancShares Inc	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
CLA	COLONNADE ACQUISITION CORPORATION	NYSE
CLBS	Caladrius Biosciences, Inc.	NASDAQ
CLVR	Clever Leaves Holdings Inc.	NASDAQ
CPLG	COREPOINT LODGING INC	NYSE
CPST	CAPSTONE TURBINE CORPORATION	NASDAQ
CRIS	Curis Inc	NASDAQ
CRTX	CORTEXYME, INC.	NASDAQ
CSTL	CASTLE BIOSCIENCES, INC.	NASDAQ
CSWC	Capital Southwest Corp	NASDAQ
CTMX	CytomX Therapeutics, Inc.	NASDAQ
CUE	CUE BIOPHARMA INC	NASDAQ
CURI	CURIOSITYSTREAM INC	NASDAQ
CVAC	CUREVAC N.V.	NASDAQ
CYCN	CYCLERION THERAPEUTICS, INC.	NASDAQ
DAC	DANAOS CORPORATION	NYSE
DADA	DADA NEXUS LTD.	NASDAQ
DCT	DUCK CREEK TECHNOLOGIES, INC.	NASDAQ
DGRO	iShares Core Dividend Growth ETF	NYSE ARCA
DLHC	DLH HOLDINGS CORP.	NASDAQ
DMTK	DERMTECH, INC.	NASDAQ
DNMR	DANIMER SCIENTIFIC INC	NYSE
DPW	Ault Global Holdings, Inc.	AMEX
DTEA	DAVIDsTEA Inc.	NASDAQ
DYAI	DYADIC INTERNATIONAL, INC.	NASDAQ
DZSI	DZS INC.	NASDAQ
EBC	EASTERN BANKSHARES, INC.	NASDAQ
EBON	EBANG INTERNATIONAL HOLDINGS, INC.	NASDAQ
EKSO	EKSO BIONICS HOLDINGS, INC.	NASDAQ
ELOX	ELOXX PHARMACEUTICALS, INC.	NASDAQ
EMAN	eMagin Corporation	AMEX
ENG	ENGLOBAL CORPORATION	NASDAQ
ENLV	ENLIVEX THERAPEUTICS LTD.	NASDAQ
EOSE	Eos Energy Enterprises, Inc.	NASDAQ
EPP	iShares MSCI Pacific ex Japan ETF	NYSE Arca
ERY	Direxion Daily Energy Bear 2X Shares	NYSE ARCA
ETWO	E2open Parent Holdings, Inc.	NYSE
EV	EATON VANCE CORP	NYSE
EVA	Enviva Partners, LP	NYSE
EWBC	EAST WEST BANCORP INC	NASDAQ
EXLS	ExlService Holdings, Inc.	NASDAQ
FF	FutureFuel Corp	NYSE
FIII	FORUM MERGER III CORPORATION	NASDAQ
FINV	FinVolution Group	NYSE
FIVG	DEFIANCE NEXT GEN CONNECTIVITY ETF	NYSE ARCA

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
FREQ	FREQUENCY THERAPEUTICS, INC.	NASDAQ
FROG	JFROG LTD.	NASDAQ
FTEK	Fuel Tech inc.	NASDAQ
FTFT	FUTURE FINTECH GROUP INC.	NASDAQ
FTOC	FTAC OLYMPUS ACQUISITION CORP.	NASDAQ
GAMR	WEDBUSH ETFMG VIDEO GAME TECH ETF	NYSE Arca
GBDC	Golub Capital BDC, Inc.	NASDAQ
GEVO	GEVO, INC.	NASDAQ
GIK	GIGCAPITAL3, INC.	NYSE
GIX	GIGCAPITAL2, INC.	NYSE
GMBL	ESPORTS ENTERTAINMENT GROUP	NASDAQ
GMDA	GAMIDA CELL LTD	NASDAQ
GOCO	GOHEALTH INC	NASDAQ
GP	GREENPOWER MOTOR COMPANY INC.	NASDAQ
GRTS	GRITSTONE ONCOLOGY INC	NASDAQ
GXGX	GX ACQUISITION CORP.	NASDAQ
HEPA	HEPION PHARMACEUTICALS, INC.	NASDAQ
HERO	GLOBAL XVIDEO GAMES & ESPORTS ETF	NASDAQ
HESM	Hess Midstream LP	NYSE
HIMS	Hims & Hers Health, Inc.	NYSE
HIW	HIGHWOODS PROPERTIES, INC.	NYSE
HOOK	HOOKIPA PHARMA, INC.	NASDAQ
HRZN	Horizon Technology Finance Corp	NASDAQ
ICON	ICONIX BRAND GROUP INC	NASDAQ
ICUI	ICU MEDICAL, INC.	NASDAQ
IDRV	ISHARES SELF-DRIVING EV AND TECH ETF	NYSE Arca
IDV	iShares International Select Dividend ETF	BATS
IEA	INFRASTRUCTURE AND ENERGY ALTERNATIVES, INC.	NASDAQ
IMVT	IMMUNOVANT INC	NASDAQ
INOD	Innodata Inc	NASDAQ
IPOD	SOCIAL CAPITAL HEDOSOPHIA HOLDINGS CORPORATION IV	NYSE
IPOE	SOCIAL CAPITAL HEDOSOPHIA HOLDINGS CORPORATION V	NYSE
IPOF	SOCIAL CAPITAL HEDOSOPHIA HOLDINGS CORPORATION VI	NYSE
IPV	INTERPRIVATE ACQUISITION CORP	NYSE
ITI	Iteris, Inc.	NASDAQ
IVOL	QUADRATIC INTEREST RATE VOL. AND INFLATION ETF	NYSE Arca
JAGX	JAGUAR HEALTH, INC.	NASDAQ
JG	AURORA MOBILE LTD. SPONSORED ADR	NASDAQ
JWS	JAWS ACQUISITION CORP	NYSE
KALV	KALVISTA PHARMACEUTICALS INC	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
KBAL	Kimball International, Inc.	NASDAQ
KLR	KALEYRA INC	AMEX
KMPH	KEMPHARM, INC.	NASDAQ
KNSL	Kinsale Capital Group Inc	NASDAQ
KRP	KIMBELL ROYALTY PARTNERS LP	NYSE
KT	KT Corp. ADS	NYSE
LCUT	LIFETIME BRANDS, INC	NASDAQ
LEU	CENTRUS ENERGY CORP.	AMEX
LFMD	LifeMD, Inc.	NASDAQ
LGFB	Lions Gate Entertainment Corporation	NYSE
LMRK	Landmark Infrastructure Partners LP	NASDAQ
LOTZ	CARLOTZ, INC.	NASDAQ
LPRO	OPEN LENDING CORPORATION	NASDAQ
LQDA	Liquidia Corporation	NASDAQ
LSPD	LIGHTSPEED POS, INC.	NYSE
LU	LUFAX HOLDING LTD	NYSE
MAXN	MAXEON SOLAR TECHNOLOGIES, LTD	NASDAQ
MCFE	MCAFEE CORP.	NASDAQ
MDXG	MiMedx Group Inc	NASDAQ
MESA	Mesa Air Group Inc	NASDAQ
MILE	MetroMile, Inc.	NASDAQ
MIST	MILESTONE PHARMACEUTICALS, INC.	NASDAQ
MKL	Markel Corporation	NYSE
MNSO	MINISO GROUP HOLDING LTD.	NYSE
MOD	Modine Manufacturing Company	NYSE
MORN	MORNINGSSTAR INC	NASDAQ
MRVI	Maravai LifeSciences Holdings, Inc.	NASDAQ
MSOS	ADVISOR SHARES PURE US CANNABIS	NYSE ARCA
MTA	METALLA ROYALTY & STREAMING LTD.	AMEX
MTEM	MOLECULAR TEMPLATES, INC.	NASDAQ
MTLS	MATERIALISE NV	NASDAQ
MTSC	MTS SYSTEMS CORP	NASDAQ
MWK	MOHAWK GROUP HOLDINGS, INC.	NASDAQ
NBSE	NEUBASE THERAPEUTICS INC	NASDAQ
NGA	NORTHERN GENESIS ACQUISITION CORP.	NYSE
NMRD	NEMAURA MEDICAL, INC.	NASDAQ
NSCO	NESCO HOLDINGS INC	NYSE
NSSC	Napco Security Technologies, Inc.	NASDAQ
OBSV	OBSEVA SA	NASDAQ
OCX	ONCOCYTE CORP	AMEX
OEG	Orbital Energy Group, Inc.	NASDAQ
OFC	Corporate Office Properties Trust	NYSE
OGE	OGE ENERGY CORP.	NYSE
OGIG	OSHARES GLOBAL INTERNET GIANTS ETF	BATS

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
OMCL	OMNICELL, INC	NASDAQ
OMP	OASIS MIDSTREAM PARTNERS LP	NASDAQ
ONCS	ONCOSEC MEDICAL INCORPORATED	NASDAQ
ONCT	ONCTERNAL THERAPEUTICS, INC.	NASDAQ
OPTT	OCEAN POWER TECHNOLOGIES, INC.	NASDAQ
ORAN	Orange	NYSE
ORCC	OWL ROCK CAPITAL CORP	NYSE
ORGO	ORGANOGENESIS HOLDINGS, INC.	NASDAQ
OSG	Overseas Shipholding Group, Inc.	NYSE
OSH	OAK STREET HEALTH INC	NYSE
OXSQ	Oxford Square Capital Corporation	NASDAQ
PAVE	GLOBAL XUS INFRASTRUCTURE DEVEL	BATS
PAYA	PAYA HOLDINGS INC	NASDAQ
PDBC	INVESCO OPTIMUM YIELD DIVER STARTEGY NO K-1 ETF	NASDAQ
PDM	Piedmont Office Realty Trust Inc.	NYSE
PGRE	Paramount Group Inc.	NYSE
PHR	PHREESIA, INC.	NYSE
PLG	PLATINUM GROUP METALS LTD.	AMEX
PLL	PIEDMONT LITHIUM LTD	NASDAQ
PLSE	Pulse Biosciences, Inc.	NASDAQ
PLTK	PLAYTIKA HOLDING CORP.	NASDAQ
PNNT	PennantPark Investment Corp	NASDAQ
POWW	AMMO INC	NASDAQ
PPBT	Purple Biotech Ltd.	NASDAQ
PRCH	PORCH GROUP, INC.	NASDAQ
PROF	PROFOUND MEDICAL CORP	NASDAQ
PROG	PROGENITY INC	NASDAQ
PS	Pluralsight Inc	NASDAQ
PSAC	PROPERTY SOLUTIONS ACQUISITION CORP.	NASDAQ
PSNL	PERSONALIS, INC.	NASDAQ
PTR	PETROCHINA COMPANY LTD.	NYSE
QCLN	FIRST TRUST NASDAQ CLEAN EDGE GREEN	NASDAQ
QELL	QELL ACQUISITION CORPORATION	NASDAQ
QFIN	360 DIGITECH, INC.	NASDAQ
QLGN	QUALIGEN THERAPEUTICS, INC.	NASDAQ
QQQJ	INVESCO NASDAQ NEXT GEN 100 ETF	NASDAQ
RAPT	RAPT THERAPEUTICS, INC.	NASDAQ
RAVN	Raven Industries, Inc.	NASDAQ
REKR	REKOR SYSTEMS, INC.	NASDAQ
REPH	Recro Pharma, Inc.	NASDAQ
REPL	REPLIMUNE GROUP, INC.	NASDAQ
REYN	REYNOLDS CONSUMER PRODUCTS	NASDAQ
RFIL	RF Industries, Ltd.	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
RILY	B Riley Financial Inc	NASDAQ
RKDA	ARCADIA BIOSCIENCES, INC.	NASDAQ
RMNI	RIMINI STREET, INC.	NASDAQ
RNLX	RENALYTIX AI PLC ADR	NASDAQ
ROAD	CONSTRUCTION PARTNERS, INC	NASDAQ
ROOT	ROOT, INC. DELAWARE	NASDAQ
RPLA	REPLAY ACQUISITION CORP.	NYSE
RPRX	ROYALTY PHARMA PLC	NASDAQ
RPT	RPT Realty	NYSE
RSI	Rush Street Interactive, Inc.	NYSE
RUBY	RUBIUS THERAPEUTICS, INC	NASDAQ
SCYX	SCYNEXIS, Inc.	NASDAQ
SD	SandRidge Energy, Inc.	NYSE
SDIV	Global X SuperDividend ETF	NYSE ARCA
SECO	SECOO HOLDING LTD.	NASDAQ
SFE	Safeguard Scientifics, Inc.	NYSE
SFT	Shift Technologies, Inc.	NASDAQ
SI	SILVERGATE CAPITAL CORP.	NYSE
SIEB	Siebert Financial Corp	NASDAQ
SIFY	Sify Technologies Ltd.	NASDAQ
SLS	SELLAS LIFE SCIENCES GROUP, INC.	NASDAQ
SNPR	TORTOISE ACQUISITION CORPORATION II	NYSE
SOI	Solaris Oilfield Infrastructure, Inc.	NYSE
SOS	SOS Limited	NYSE
SPAK	DEFIANCE NEXT GEN SPAC DERIVED ETF	NYSE ARCA
SPCX	COLLABORATIVE INVESTMENT SERIES TRUST	NYSE Arca
SPI	SPI ENERGY CO LTD	NASDAQ
SPNS	Sapiens International Corporation NV	NASDAQ
SPRO	Spero Therapeutics Inc	NASDAQ
SRAC	STABLE ROAD ACQUISITION CORP	NASDAQ
SRAX	SRAX, Inc.	NASDAQ
SSB	South State Corporation	NASDAQ
STIC	NORTHERN STAR ACQUISITION CORP.	NYSE
STPK	STAR PEAK ENERGY TRANSITION CORP	NYSE
STRO	SUTRO BIOPHARMA, INC.	NASDAQ
SUMO	SUMO LOGIC, INC.	NASDAQ
SUNW	SUNWORKS, INC.	NASDAQ
SVM	SILVERCORP METALS INC	AMEX
SWI	Solarwinds Corp.	NYSE
SWM	Schweitzer-Mauduit International, Inc	NYSE
SYBX	SYNLOGIC INC	NASDAQ
TCF	TCF Financial Corporation	NASDAQ
TCON	TRACON PHARMACEUTICALS, INC.	NASDAQ
TDW	Tidewater, Inc	NYSE

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
TG	Tredegar Corp	NYSE
THBR	THUNDER BRIDGE ACQUISTION	NASDAQ
TLS	TELOS CORPORATION	NASDAQ
TLSA	TIZIANA LIFE SCIENCES PLC	NASDAQ
TMQ	Trilogy Metals Inc.	AMEX
TPGY	TPG PACE BENEFICIAL FINANCE CORPORATION	NYSE
TR	Tootsie Roll Industries Inc	NYSE
TRIT	Triterras, Inc.	NASDAQ
TSQ	Townsquare Media, Inc.	NYSE
TTCF	Tattooed Chef, Inc.	NASDAQ
TTEC	TTEC Holdings, Inc.	NASDAQ
TTNP	Titan Pharmaceuticals Inc.	NASDAQ
TURN	180 Degree Capital Corporation	NASDAQ
TUSK	Mammoth Energy Services Inc	NASDAQ
TZOO	Travelzoo	NASDAQ
UBA	Urstadt Biddle Properties Inc	NYSE
UPST	UPSTART HOLDINGS, INC.	NASDAQ
USAT	USA Technologies Inc.	NASDAQ
UWMC	UWM Holdings Corporation	NYSE
VBK	Vanguard Small-Cap Growth ETF	NYSE ARCA
VGAC	VG ACQUISITION CORPORATION	NYSE
VGT	Vanguard Information Technology ETF	NYSE Arca
VIE	VIELA BIO, INC.	NASDAQ
VIH	VPC IMPACT ACQUISITION HOLDINGS	NASDAQ
VITL	VITAL FARMS, INC.	NASDAQ
VIV	Telefonica Brasil S.A.	NYSE
VNT	VONTIER CORP	NYSE
VRM	VROOM INC.	NASDAQ
VSPR	VESPER HEALTHCARE ACQUISITION CORP	NASDAQ
VVPR	VIVOPOWER INTERNATIONAL PLC	NASDAQ
WAFD	WASHINGTON FEDERAL INC.	NASDAQ
WIMI	WIMI HOLOGRAM CLOUD INC	NASDAQ
WLL	WHITING PETROLEUM CORPORATION	NYSE
WNS	WNS Holdings Ltd	NYSE
WOOF	PETCO HEALTH AND WELLNESS COMPANY, INC.	NASDAQ
XPEL	XPEL, INC.	NASDAQ
ZDGE	ZEDGE INC	AMEX
ZI	ZOOMINFO TECHNOLOGIES INC.	NASDAQ

Please direct questions to the Regulatory Department at Regulatory@MIAXOptions.com or (609) 897-7309.