



The option classes listed below will begin trading on the MIAX Emerald Options Exchange at the start of trading on **Monday, January 31, 2022**. All option classes on MIAX Emerald have an allocation style of Pro-Rata and billing style of Maker-Taker.

Security Symbol	Security Name	Option Class	Penny Pilot	Exchange for Opening	Closing Time	PLMM	Cloud
ACET	ADICET BIO INC	ACET	No	NASDAQ	4:00	Citadel Securities, LLC	1
ADGI	ADAGIO THERAPEUTICS, INC.	ADGI	No	NASDAQ	4:00	Susquehanna Securities	1
ANNX	ANNEXON, INC.	ANNX	No	NASDAQ	4:00	Citadel Securities, LLC	1
APSG	APOLLO STRATEGIC GROWTH CAPITAL	APSG	No	NYSE	4:00	Citadel Securities, LLC	1
ARDS	ARIDIS PHARMACEUTICALS, INC.	ARDS	No	NASDAQ	4:00	Citadel Securities, LLC	1
ARNA	ARENA PHARMACEUTICALS INC	ARNA	No	NASDAQ	4:00	Susquehanna Securities	1
ASTE	ASTEC INDUSTRIES, INC	ASTE	No	NASDAQ	4:00	Susquehanna Securities	1
BRDS	BIRD GLOBAL, INC.	BRDS	No	NYSE	4:00	Wolverine Trading, LLC	2
BRPM	B. RILEY PRINCIPAL 150 MERGER CORP.	BRPM	No	NASDAQ	4:00	Susquehanna Securities	2
BTCY	BIOTRICITY, INC.	BTCY	No	NASDAQ	4:00	Susquehanna Securities	2
BTTX	BETTER THERAPEUTICS INC	BTTX	No	NASDAQ	4:00	Citadel Securities, LLC	2
BZ	KANZHUN LTD.	BZ	No	NASDAQ	4:00	Wolverine Trading, LLC	2

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CALT	CALLIDITASTHERAPEUTICS AB	CALT	No	NASDAQ	4:00	Citadel Securities, LLC	2
CCMP	CMC Materials, Inc.	CCMP	No	NASDAQ	4:00	Susquehanna Securities	2
COCO	VITA COCO COMPANY, INC.	COCO	No	NASDAQ	4:00	Citadel Securities, LLC	2
DSP	VARIANT TECHNOLOGY, INC.	DSP	No	NASDAQ	4:00	Wolverine Trading, LLC	3
ECNS	iShares MSCI China Small-Cap ETF	ECNS	No	NYSE Arca	4:00	Citadel Securities, LLC	3
EMBK	EMBARK TECHNOLOGY, INC	EMBK	No	NASDAQ	4:00	Wolverine Trading, LLC	3
ESMT	ENGAGESMART INC	ESMT	No	NYSE	4:00	Citadel Securities, LLC	3
ESSC	EAST STONE ACQUISITION CORP	ESSC	No	NASDAQ	4:00	Citadel Securities, LLC	3
EVAX	EVAXION BIOTECH AS	EVAX	No	NASDAQ	4:00	Susquehanna Securities	3
FHTX	FOGHORN THERAPEUTICS, INC.	FHTX	No	NASDAQ	4:00	Citadel Securities, LLC	3
FTHM	FATHOM HOLDINGS INC.	FTHM	No	NASDAQ	4:00	Wolverine Trading, LLC	3
GRTX	GALERA THERAPEUTICS, INC.	GRTX	No	NASDAQ	4:00	Susquehanna Securities	4
HCM	HUTCHMED (China) Limited	HCM	No	NASDAQ	4:00	Susquehanna Securities	4
HLGN	Heliogen, Inc.	HLGN	No	NYSE	4:00	Citadel Securities, LLC	4
HLMN	Hillman Solutions Corporation	HLMN	No	NASDAQ	4:00	Citadel Securities, LLC	4

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HURN	Huron Consulting Group, Inc.	HURN	No	NASDAQ	4:00	Susquehanna Securities	4
IMBI	IMEDIA BRANDS, INC	IMBI	No	NASDAQ	4:00	Susquehanna Securities	5
INNV	INNOVAGE HOLDING CORP	INNV	No	NASDAQ	4:00	Susquehanna Securities	5
IWV	iShares Russell 3000 ETF	IWV	No	NYSE Arca	4:00	Citadel Securities, LLC	5
JSPR	JASPER THERAPEUTICS INC	JSPR	No	NASDAQ	4:00	Citadel Securities, LLC	5
KD	KYNDRYL HOLDINGS INCORPORATION	KD	No	NYSE	4:00	Citadel Securities, LLC	5
MULN	MULLEN AUTOMOTIVE, INC.	MULN	No	NASDAQ	4:00	Wolverine Trading, LLC	6
MYTE	MYT NETHERLANDS PARENT BV	MYTE	No	NYSE	4:00	Susquehanna Securities	6
NRDS	NERDWALLET, INC	NRDS	No	NASDAQ	4:00	Wolverine Trading, LLC	6
NVEI	NUVEI CORPORATION	NVEI	No	NASDAQ	4:00	Wolverine Trading, LLC	6
NYC	NEW YORK CITY REIT, INC.	NYC	No	NYSE	4:00	Citadel Securities, LLC	6
OLK	OLINK HOLDING	OLK	No	NASDAQ	4:00	Susquehanna Securities	7
PAY	PAYMENTUS HOLDINGS, INC	PAY	No	NYSE	4:00	Susquehanna Securities	7
PGJ	Invesco Golden Dragon China ETF	PGJ	No	NASDAQ	4:00	Wolverine Trading, LLC	7
PMCB	PHARMACYTE BIOTECH, INC.	PMCB	No	NASDAQ	4:00	Susquehanna Securities	7



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PNM	PNM Resources, Inc	PNM	No	NYSE	4:00	Susquehanna Securities	7
PTPI	PETROS PHARMACEUTICALS, INC.	PTPI	No	NASDAQ	4:00	Citadel Securities, LLC	7
RENT	RENT THE RUNWAY, INC.	RENT	No	NASDAQ	4:00	Citadel Securities, LLC	7
RETL	Direxion Daily Retail Bull 3X Shares	RETL	No	NYSE Arca	4:00	Citadel Securities, LLC	7
SARK	TUTTLE CAPITAL SHORT INNOVATION ETF	SARK	No	NASDAQ	4:00	Wolverine Trading, LLC	8
SBEA	SILVERBOX ENGAGED MERGER CORP. I	SBEA	No	NASDAQ	4:00	Citadel Securities, LLC	8
SG	SWEETGREEN, INC.	SG	No	NYSE	4:00	Susquehanna Securities	8
SLGL	SOL-GEL TECHNOLOGIES LTD.	SLGL	No	NASDAQ	4:00	Wolverine Trading, LLC	8
SLNH	SOLUNA HOLDINGS, INC.	SLNH	No	NASDAQ	4:00	Wolverine Trading, LLC	8
SLVM	SYLVAMO CORPORATION	SLVM	No	NYSE	4:00	Citadel Securities, LLC	8
SMWB	SIMILARWEB LTD.	SMWB	No	NYSE	4:00	Wolverine Trading, LLC	8
SNII	SUPERNOVA PARTNERS ACQUISITION COMPANY II, LTD	SNII	No	NYSE	4:00	Wolverine Trading, LLC	8
TMX	Terminix Global Holdings, Inc.	TMX	No	NYSE	4:00	Susquehanna Securities	8
VEL	VELOCITY FINANCIAL, INC	VEL	No	NYSE	4:00	Citadel Securities, LLC	9
YMM	FULL TRUCK ALLIANCE CO. LTD.	YMM	No	NYSE	4:00	Susquehanna Securities	10

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ZEST	ECOARK HOLDINGS, INC.	ZEST	No	NASDAQ	4:00	Citadel Securities, LLC	11

Please contact MIAX Options Listings with any questions.

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