

**MIAX Options Exchange Regulatory Circular 2025-05**  
**MIAX Pearl Options Exchange Regulatory Circular 2025-05**  
**MIAX Emerald Options Exchange Regulatory Circular 2025-05**  
**MIAX Sapphire Options Exchange Regulatory Circular 2025-05**

**DATE:** January 23, 2025  
**TO:** MIAX Exchange Members  
**FROM:** MIAX Regulatory Department  
**RE:** Market for Underlying Security Used for Openings on MIAX Options, MIAX Pearl Options, MIAX Emerald Options and MIAX Sapphire Options for Newly Listed Symbols Effective Friday, January 24, 2025

Options on the following symbols will be available for trading on MIAX Options, MIAX Pearl Options, MIAX Emerald Options and MIAX Sapphire Options beginning Friday, January 24, 2025. As set forth in MIAX Options Rule 503(d), MIAX Pearl Rule 503(a)(3), MIAX Emerald Rule 503(d) and MIAX Sapphire Rule 503(a)(3), the exchanges 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
AMDY	YIELDMAX AMD OPTION INCOME STRATEGY ETF	NYSE Arca
ARDT	ARDENT HEALTH PARTNERS, INC.	NYSE
AVGX	DEFIANCE DAILY TARGET 2X LONG AVGO ETF	NASDAQ
BDSX	BIODESIX, INC.	NASDAQ
BNED	BARNES & NOBLE EDUCATION, INC.	NYSE
GCMG	GCM GROSVENOR INC.	NASDAQ
JSPR	JASPER THERAPEUTICS INC	NASDAQ
LAES	SEALSQ CORP.	NASDAQ
LFWD	LIFEWARD LTD.	NASDAQ
LNZA	LANZATECH GLOBAL INC.	NASDAQ
MBOT	MICROBOT MEDICAL INC	NASDAQ

SECURITY SYMBOL	SECURITY NAME	EXCHANGE FOR OPENING
MURA	MURAL ONCOLOGY PLC	NASDAQ
NMG	NOUVEAU MONDE GRAPHITE INC	NYSE
PTF	INVESCO DORSEY WRIGHT TECHNOLOGY MOMENTUM ETF	NASDAQ
PTVE	PACTIV EVERGREEN, INC.	NASDAQ
QQQM	INVESCO NASDAQ 100 ETF	NASDAQ
QTTB	Q32 BIO INC.	NASDAQ
QTUM	DEFIANCE QUANTUM ETF	NASDAQ
SMLR	SEMLER SCIENTIFIC, INC.	NASDAQ
TRVI	TREVI THERAPEUTICS, INC.	NASDAQ
TSSI	TSS INC	NASDAQ
UBRL	GRANITESHARES 2X LONG UBER DAILY ETF	NASDAQ
USIO	USIO, INC.	NASDAQ
VOR	VOR BIOPHARMA, INC.	NASDAQ
XSHD	INVESCO S&P SMALLCAP HIGH DIV LOW VOLATILITY ETF	CBOE BZX Exchange
YMAG	YIELDMAX MAGNIFICENT 7 FUND OF OPTION INCOME ETFS	NYSE Arca

Please direct questions to the Regulatory Department at [Regulatory@miaxglobal.com](mailto:Regulatory@miaxglobal.com) or (609) 897-7309.