

The option classes listed below will begin trading on the MIAX Emerald Options Exchange at the start of trading on **Friday, September 2, 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 | PLMM | Cloud |
|-----------------|---------------------------------------|--------------|-------------|----------------------|---------|-------------------------|-------|
| | | | | | Time | | |
| AZO | AUTOZONE, INC. | AZO | No | NYSE | 4:00 | Susquehanna Securities | 1 |
| CGAU | CENTERRA GOLD INC. | CGAU | No | NYSE | 4:00 | Susquehanna Securities | 2 |
| CSBR | CHAMPIONS ONCOLOGY, INC. | CSBR | No | NASDAQ | 4:00 | Citadel Securities, LLC | 2 |
| CSL | CARLISLE COMPANES INCORPORATED | CSL | No | NYSE | 4:00 | Citadel Securities, LLC | 2 |
| DCFC | TRITIUM LTD | DCFC | No | NASDAQ | 4:00 | Citadel Securities, LLC | 3 |
| EW CZ | EUROPEAN WAX CENTER, INC. | EW CZ | No | NASDAQ | 4:00 | Wolverine Trading, LLC | 3 |
| FIBK | First Interstate Bancsystem Inc | FIBK | No | NASDAQ | 4:00 | Wolverine Trading, LLC | 3 |
| HNGR | Hanger Inc | HNGR | No | NYSE | 4:00 | Susquehanna Securities | 4 |
| IHS | IHS HOLDING LTD. | IHS | No | NYSE | 4:00 | Susquehanna Securities | 5 |
| ILPT | INDUSTRIAL LOGISTICS PROPERTIES TRUST | ILPT | No | NASDAQ | 4:00 | Citadel Securities, LLC | 5 |
| IPSC | CENTURY THERAPEUTICS, INC. | IPSC | No | NASDAQ | 4:00 | Citadel Securities, LLC | 5 |
| MUX | McEwen Mining Inc. | MUX | No | NYSE | 4:00 | Susquehanna Securities | 6 |

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|-----------------|---------------------------------------|--------------|-------------|----------------------|---------|-------------------------|-------|
| | | | | | Time | | |
| NEOG | NEOGEN CORPORATION | NEOG | No | NASDAQ | 4:00 | Citadel Securities, LLC | 6 |
| PATK | Patrick Industries, Inc. | PATK | No | NASDAQ | 4:00 | Wolverine Trading, LLC | 7 |
| PEB | Pebblebrook Hotel Trust | PEB | No | NYSE | 4:00 | Susquehanna Securities | 7 |
| RBT | Rubicon Technologies, Inc. | RBT | No | NYSE | 4:00 | Susquehanna Securities | 7 |
| SACH | SACHEM CAPITAL CORP. | SACH | No | AMEX | 4:00 | Wolverine Trading, LLC | 8 |
| SKYX | SKYX Platforms Corporation | SKYX | No | NASDAQ | 4:00 | Citadel Securities, LLC | 8 |
| SLAB | SILICON LABORATORIES INC. | SLAB | No | NASDAQ | 4:00 | Morgan Stanley | 8 |
| SPTL | SPDR PORTFOLIO LONG TERM TREASURY ETF | SPTL | No | NYSE Arca | 4:00 | Citadel Securities, LLC | 8 |
| SURG | SURGEPAYS INC | SURG | No | NASDAQ | 4:00 | Citadel Securities, LLC | 8 |
| SYM | SYMBOTIC INC | SYM | No | NASDAQ | 4:00 | Citadel Securities, LLC | 8 |
| TSHA | TAYSHA GENE THERAPIES, INC. | TSHA | No | NASDAQ | 4:00 | Susquehanna Securities | 8 |
| TSLQ | AXS TSLA BEAR DAILY ETF | TSLQ | No | NASDAQ | 4:00 | Wolverine Trading, LLC | 8 |

Please contact MIAX Options Listings with any questions.

Listings@MIAXOptions.com

(609) 897-7308