

## Certificate of Analysis

Date of Testing: 2024-08-19 10:53:28  
Date of Next Testing: 2028-08-18 10:53:28  
Product Name: **Molybdenum sulfide**  
CAS Number: 1317-33-5  
Specifications & Purity: 99.5% metals basis, <2 µm  
Lot #: H2415241  
SKU #: **M104968**  
Version: **0**  
Analysis #: **393760**  
Storage Temperature: Argon charged

| Parameter   | Limit Values                                | Result                                      |
|---|---|---|
| total metallic impurities(by ICP Atomic emission) | 0-5000 (ppm)                                | 4079.00 ppm                                 |
| Purity(Based on Trace Metals Impurities of ICP)   | 99.5-100 (%)                                | 99.59%                                      |
| Particle size                                     | 0-2 (µm)                                    | 1.38 µm                                     |
| Mo (Oxide Precipitation)                          | 59-60.8 (%)                                 | 59.54%                                      |
| Appearance (M104968)                              | Grey, Black, Grey-Black or Grey-Blue Powder | Grey, Black, Grey-Black or Grey-Blue Powder |
| ICP: Confirms Molybdenum Component                | Confirmed                                   | Confirmed                                   |
| X-Ray Diffraction                                 | Conforms to Structure                       | Conforms to Structure                       |



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QA & QC Manager