

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-19 11:22:20
Date of Next Testing: 2028-08-18 11:22:20
Product Name: **Molybdenum sulfide**
CAS Number: 1317-33-5
Specifications & Purity: 99.5% metals basis, <2 µm
Lot #: H2415239
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 |



John Su
QA & QC Manager