

Certificate of Analysis

Date of Testing: 2025-04-16 15:31:44

Date of Next Testing: 2029-04-15 15:31:44

Product Name: **Molybdenum sulfide**

CAS Number: 1317-33-5

Specifications & Purity: $\geq 99.5\%$ metals basis, $< 2 \mu\text{m}$

Lot #: D2503344

SKU #: **M104968**

Version: **0**

Analysis #: **471456**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
total metallic impurities(by ICP Atomic emission)	0-5000 (ppm)	4946.00 ppm
Purity(Based on Trace Metals Impurities of ICP)	99.5-100 (%)	99.51 %
Particle size	0-2 (μm)	1.66 μm
Mo (Oxide Precipitation)	59-60.8 (%)	59.00 %
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