

## Certificate of Analysis

Date of Testing: 2024-08-19 11:22:48  
Date of Next Testing: 2028-08-18 11:22:48  
Product Name: **Molybdenum sulfide**  
CAS Number: 1317-33-5  
Specifications & Purity: 99.5% metals basis, <2 µm  
Lot #: H2415242  
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