

## Certificate of Analysis

Date of Testing: 2024-11-06 13:03:22  
Date of Next Testing: 2027-11-06 13:03:22  
Product Name: **Molybdenum(IV) sulfide**  
CAS Number: 1317-33-5  
Specifications & Purity:  $\geq 99\%$  metals basis, nanopowder, 90nm diameter (Aps)  
Lot #: K2405581  
SKU #: **M431857**  
Version: **1**  
Analysis #: **428355**

Parameter	Limit Values	Result
Particle size	80-100 (nm)	90.00 nm
Purity(Based On Trace Metals Analysis)	99-100 (%)	99.77 %
Trace Metal Analysis	0-10000 (ppm)	2338.90 ppm
Appearance(M431857)	Grey to Black Powder	grey to black powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
ICP Major Analysis Confirms Molybdenum Component	Confirmed	Confirmed



John Su  
QA & QC Manager