

## Certificate of Analysis

Date of Testing: 2023-08-09 14:06:03  
Date of Next Testing: 2026-08-08 14:06:03  
Product Name: **Molybdenum(IV) sulfide**  
CAS Number: 1317-33-5  
Specifications & Purity: nanopowder, 90 nm diameter (APS), 99% trace metals basis  
Lot #: H2301811  
SKU #: **M431857**  
**Analysis: 254915**

Parameter	Limit Values	Result
Particle size	80-100 (nm)	90.00 nm
Purity(Based On Trace Metals Analysis)	99-100 (%)	99.73 %
Trace Metal Analysis	0-10000 (ppm)	2717.40 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