

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-11 13:47:34
Date of Next Testing: 2029-10-10 13:47:34
Product Name: **Molybdenum sulfide**
CAS Number: 1317-33-5
Specifications & Purity: $\geq 99.5\%$ metals basis, $< 2 \mu\text{m}$
Lot #: I2526383
SKU #: **M104968**
Version: **0**
Analysis #: **578908**
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
total metallic impurities(by ICP Atomic emission)	0-5000 (ppm)	1582.00000 ppm
Particle size	0-2 (μm)	1.16000 μm
Purity(Based on Trace Metals Impurities of ICP)	99.5-100 (%)	99.84180 %
Mo (Oxide Precipitation)	59-60.8 (%)	59.00000 %
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