

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-05-08 09:14:27

Date of Next Testing: 2029-05-07 09:14:27

Product Name: **Molybdenum(VI) oxide**

CAS Number: 1313-27-5

Specifications & Purity: ACS, ≥99.5%

Lot #: E2507606

SKU #: **M294927**

Version: **2**

Analysis #: **260361**

Storage Temperature: Room temperature

| Parameter                                             | Limit Values                                 | Result                                       |
|-------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Purity Based on Trace Metals Impurities               | 99.5-100 (%)                                 | 99.93860 %                                   |
| Insoluble matter(C = 8.3%; Dilute NH <sub>4</sub> OH) | ≤ 0.01(%)                                    | 0.00000 %                                    |
| Chloride                                              | 0-0.002 (%)                                  | 0.00000 %                                    |
| Heavy metal (as Pb)                                   | 0-0.005 (%)                                  | 0.00000 %                                    |
| (PO <sub>4</sub> )Phosphate                           | 0-5 (ppm)                                    | 0.00000 ppm                                  |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )               | 0-0.02 (%)                                   | 0.01200 %                                    |
| Miscellaneous Assay(Arsenate, Phosphate and Silicate) | ≤ 0.001(%)                                   | 0.00000 %                                    |
| (NO <sub>3</sub> )Nitrate                             | 0-0.003 (%)                                  | 0.00250 %                                    |
| Ammonium(NH <sub>4</sub> )                            | 0-0.002 (%)                                  | 0.00000 %                                    |
| Appearance(Color)(M294927)                            | Conforms to Requirements Pale to Light Green | Conforms to Requirements Pale to Light Green |
| Appearance(Form)(M294927)                             | Powder                                       | Powder                                       |
| X-Ray Diffraction                                     | Conforms to Structure                        | Conforms to Structure                        |



[QualityAssurance@aladdinsci.com](mailto:QualityAssurance@aladdinsci.com)

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager