

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-09 17:50:29  
 Date of Next Testing: 2029-04-08 17:50:29  
 Product Name: **Ammonium molybdate tetrahydrate**  
 CAS Number: 12054-85-2  
 Specifications & Purity: ACS, MoO<sub>3</sub> 81-83%  
 Lot #: D2503195  
 SKU #: **A116379**  
 Version: **1**  
 Analysis #: **486587**  
 Storage Temperature: Argon charged

| Parameter                                          | Limit Values          | Result                |
|----------------------------------------------------|-----------------------|-----------------------|
| Heavy metal (as Pb)                                | 0-0.001 (%)           | 0.00 %                |
| Chloride (Cl <sup>-</sup> )                        | 0-0.002 (%)           | 0.00 %                |
| Insoluble matter in H <sub>2</sub> O               | 0-0.005 (%)           | 0.00 %                |
| Potassium(K)                                       | 0-0.01 (%)            | 0.00 %                |
| Magnesium(Mg)                                      | 0-0.005 (%)           | 0.00 %                |
| Phosphate(PO <sub>4</sub> )                        | 0-5 (ppm)             | 0.00 ppm              |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )            | 0-0.02 (%)            | 0.00 %                |
| (NO <sub>3</sub> )Nitrate                          | 0-0.003 (%)           | 0.00 %                |
| Assay                                              | 81-83 (%)             | 82.15 %               |
| Arsenate,phosphate,and silicate(SiO <sub>2</sub> ) | 0-0.001 (%)           | 0.00 %                |
| Sodium(Na)                                         | 0-0.01 (%)            | 0.01 %                |
| Appearance (A116379)                               | White crystals        | White crystals        |
| X-Ray Diffraction                                  | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager