

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-25 11:27:00  
 Date of Next Testing: 2028-07-24 11:27:00  
 Product Name: **Ammonium tungstate pentahydrate**  
 CAS Number: 1311-93-9  
 Specifications & Purity: PrimorTrace™, ≥99.999% metals basis  
 Lot #: G2523048  
 SKU #: **A302356**  
 Version: **2**  
 Analysis #: **548018**  
 Storage Temperature: Room temperature, Desiccated

| Parameter                               | Limit Values          | Result                |
|-----------------------------------------|-----------------------|-----------------------|
| Purity Based on Trace Metals Impurities | 99.999-100 (%)        | 99.99910 %            |
| Total Metallic Impurities               | ≤10 (ppm)             | 9.00000 ppm           |
| Water                                   | 2.72-3.02 (%)         | 3.00000 %             |
| WO <sub>3</sub> (Gravimetric Analysis)  | ≥88.0 (%)             | 88.60000 %            |
| X-Ray Diffraction                       | Conforms to Structure | Conforms to Structure |
| ICP: Confirms Tungsten Component        | Confirmed             | Confirmed             |



John Su  
QA & QC Manager