

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-09 08:44:12

Date of Next Testing: 2030-06-08 08:44:12

Product Name: **Tungsten chloride**

CAS Number: 13283-01-7

Specifications & Purity:  $\geq 99.9\%$  metals basis

Lot #: F2601454

SKU #: **T106506**

Version: **0**

Analysis #: **712240**

Storage Temperature: Room temperature, Argon charged

| Parameter                               | Limit Values                     | Result                           |
|-----------------------------------------|----------------------------------|----------------------------------|
| Purity(Based On Trace Metals Analysis)  | 99.9-100 (%)                     | 99.92750 %                       |
| Total Metallic Impuritie                | 0-2000 (ppm)                     | 725.00000 ppm                    |
| W(Gravimetric Analysis With Cinchonine) | 44.7-48 (%)                      | 47.20000 %                       |
| Appearance (T106506)                    | Blue to black powder or crystals | Blue to black powder or crystals |
| ICP: Confirms Tungsten Component        | Confirmed                        | Confirmed                        |
| X-Ray Diffraction                       | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager