

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-21 14:15:36

Date of Next Testing: 2026-10-20 14:15:36

Product Name: **Tungsten chloride**

CAS Number: 13283-01-7

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

Lot #: A1904253

SKU # **T106506**

Version **0**

Analysis #: **146943**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.99160 %
Total Metallic Impuritie	0-2000 (ppm)	77.32000 ppm
W(Gravimetric Analysis With Cinchonine)	44.7-48 (%)	44.73500 %
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