

Certificate of Analysis

Date of Testing: 2023-11-07 14:20:00

Date of Next Testing: 2027-11-06 14:20:00

Product Name: **Tungsten chloride**

CAS Number: 13283-01-7

Specifications & Purity: 99.9% metals basis

Lot #: J2331136

SKU #: **T106506**

Analysis: **119720**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.97 %
Total Metallic Impuritie	0-2000 (ppm)	285.00 ppm
W(Gravimetric Analysis With Cinchonine)	44.7-48 (%)	47.92 %
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