

Certificate of Analysis

Date of Testing: 2022-11-23 10:14:25

Date of Next Testing: 2026-11-22 10:14:25

Product Name: **Tungsten**

CAS Number: 7440-33-7(powder)

Specifications & Purity: $\geq 99.9\%$ metals basis, 50nm

Lot #: K2211937

SKU # **T109166**

Version **0**

Analysis #: **130460**

Parameter	Limit Values	Result
Total Metallic Impuritie	0-2000 (ppm)	884.00 ppm
Purity(Based on Trace Metals Impurities of ICP)	99.9-100 (%)	99.91 %
Average particle size	40-60 (nm)	53.33 nm
Appearance (T109166)	Silver to black powder	Silver to black powder
ICP: Confirms W Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager