

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-15 14:53:52
Date of Next Testing: 2027-05-14 14:53:52
Product Name: **Tungsten carbide**
CAS Number: 12070-12-1
Specifications & Purity: nanopowder, $\geq 99.9\%$ metals basis, $< 10\mu\text{m}$
Lot #: E2305755
SKU #: **T111337**
Version: **0**
Analysis #: **076623**

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.98 %
Particle size	0-10 (μm)	4.04 μm
Total Metallic Impuritie	0-1000 (ppm)	204.00 ppm
W by Gravimetric Analysis(After Ignition to Oxide)	92.5-95.3 (%)	92.51 %
Appearance (T111337)	Grey powder	Grey powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager