

## Certificate of Analysis

Date of Testing: 2022-05-20 10:15:03  
Date of Next Testing: 2026-05-19 10:15:03  
Product Name: **Tungsten carbide**  
CAS Number: 12070-12-1  
Specifications & Purity: nanopowder, ≥99.9% metals basis, < 10µm  
Lot #: E2204141  
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