

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-01 11:36:41

Date of Next Testing: 2026-11-30 11:36:41

Product Name: **Titanium carbide**

CAS Number: 12070-08-5

Specifications & Purity: $\geq 99\%$, 50nm

Lot #: K2224649

SKU #: **T109301**

Version: **0**

Analysis #: **153810**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Particle size	40-60 (nm)	43.96000 nm
Purity	99-100 (%)	99.97410 %
Total oxygenContent	0-1 (%)	0.50000 %
Appearance (T109301)	grey to black powder	grey to black powder
bulk density	0.08g/cm3	0.08g/cm3
Crystal Type(Cube)	Pass	Pass
Surface area,75 m ² /g	Conforms	Conforms
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager