

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-04 16:18:38
 Date of Next Testing: 2026-07-03 16:18:38
 Product Name: **Tantalum(IV) carbide**
 CAS Number: 12070-06-3
 Specifications & Purity: $\geq 99.9\%$ metals basis
 Lot #: F2228585
 SKU #: **T111042**
 Version: **0**
 Analysis #: **093962**
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.91180 %
Total Metallic Impuritie	0-2000 (ppm)	882.00000 ppm
Purity(Gravimetric Analysis)(after ignition to oxide)	98.5-101.5 (%)	98.50100 %
Appearance (T111042)	Brown to Very Dark Brown Powder	Brown to Very Dark Brown Powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
ICP:Confirms Tantalum Component	Confirmed	Confirmed



John Su
QA & QC Manager