

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-10 09:07:38

Date of Next Testing: 2027-02-09 09:07:38

Product Name: **Tantalum(IV) carbide**

CAS Number: 12070-06-3

Specifications & Purity: $\geq 99.9\%$ metals basis

Lot #: B2302857

SKU #: **T111042**

Version: **0**

Analysis #: **162432**

Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.95700 %
Total Metallic Impuritie	0-2000 (ppm)	430.00000 ppm
Purity(Gravimetric Analysis)(after ignition to oxide)	98.5-101.5 (%)	98.50000 %
Appearance (T111042)	Brown to Very Dark Brown Powder	Brown to Very Dark Brown Powder
ICP:Confirms Tantalum Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager