

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-14 17:33:51

Date of Next Testing: 2027-01-13 17:33:51

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

CAS Number: 12070-06-3

Specifications & Purity:  $\geq 99.5\%$ ,  $\leq 3 \mu\text{m}$

Lot #: A2306859

SKU #: **T111043**

Version: **0**

Analysis #: **140655**

Storage Temperature: Room temperature

| Parameter                              | Limit Values                    | Result                          |
|----------------------------------------|---------------------------------|---------------------------------|
| Total Metallic Impurities              | 0-5000 (ppm)                    | 279.00000 ppm                   |
| Particle size                          | 0-3 ( $\mu\text{m}$ )           | 2.26000 $\mu\text{m}$           |
| Purity(Based On Trace Metals Analysis) | 99.5-100 (%)                    | 99.97210 %                      |
| Appearance (T111043)                   | 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                       |



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