

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-18 19:07:03

Date of Next Testing: 2028-06-17 19:07:03

Product Name: **Titanium carbide**

CAS Number: 12070-08-5

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

Lot #: F2406158

SKU #: **T109301**

Version: **0**

Analysis #: **355392**

Storage Temperature: Room temperature

| Parameter                         | Limit Values          | Result                |
|-----------------------------------|-----------------------|-----------------------|
| Purity                            | 99-100 (%)            | 99.95380 %            |
| Total oxygenContent               | 0-1 (%)               | 0.20000 %             |
| Particle size                     | 40-60 (nm)            | 59.98000 nm           |
| 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 <sup>2</sup> /g | Conforms              | Conforms              |
| X-Ray Diffraction                 | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager