

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-01 16:42:30

Date of Next Testing: 2027-02-28 16:42:30

Product Name: **Titanium carbonitride**

CAS Number: 12654-86-3

Specifications & Purity: $\geq 99\%$ metals basis, powder, 1-2 μ m

Lot #: B2318705

SKU #: **T111302**

Version: **0**

Analysis #: **131328**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Total Metallic Impuritie	0-10000 (ppm)	3557.00000 ppm
Particle size	1-2 (μ m)	1.59000 μ m
Purity(Based On Trace Metals Analysis)	99-100 (%)	99.64430 %
Appearance (T111302)	grey to black powder	grey to black powder
ICP:Confirms Titanium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager