

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-09 15:49:28

Date of Next Testing: 2027-06-08 15:49:28

Product Name: **Titanium nitride**

CAS Number: 25583-20-4

Specifications & Purity: $\geq 99.9\%$ metals basis, 20nm

Lot #: I1906097

SKU # **T110281**

Version **0**

Analysis #: **239106**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.97110 %
Particle size	10-30 (nm)	16.98500 nm
Total Metallic Impuritie	0-2000 (ppm)	289.00000 ppm
Ti(Gravimetric Analysis)	76.2-80.5 (%)	77.00000 %
Appearance (T110281)	Brown to black powder	Brown to black powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager