

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-21 10:47:02

Date of Next Testing: 2026-09-20 10:47:02

Product Name: **Titanium nitride**

CAS Number: 25583-20-4

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

Lot #: I2212391

SKU # **T110281**

Version **0**

Analysis #: **125765**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.97830 %
Particle size	10-30 (nm)	23.25200 nm
Total Metallic Impuritie	0-2000 (ppm)	217.00000 ppm
Ti(Gravimetric Analysis)	76.2-80.5 (%)	76.21000 %
Appearance (T110281)	Brown to black powder	Brown to black powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager