

Certificate of Analysis

Date of Testing: 2025-03-27 19:17:44
Date of Next Testing: 2029-03-26 19:17:44
Product Name: **Titanium nitride**
CAS Number: 25583-20-4
Specifications & Purity: $\geq 99.9\%$ metals basis, 20nm
Lot #: C2519661
SKU #: **T110281**
Version: **0**
Analysis #: **483497**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.99 %
Particle size	10-30 (nm)	21.84 nm
Total Metallic Impuritie	0-2000 (ppm)	59.00 ppm
Ti(Gravimetric Analysis)	76.2-80.5 (%)	79.75 %
Appearance (T110281)	Brown to black powder	Brown to black powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager