

## Certificate of Analysis

Date of Testing: 2025-03-03 14:56:54  
Date of Next Testing: 2029-03-02 14:56:54  
Product Name: **Titanium nitride**  
CAS Number: 25583-20-4  
Specifications & Purity:  $\geq 99.9\%$  metals basis, < 100nm  
Lot #: B2521562  
SKU #: **T397976**  
Version: **1**  
Analysis #: **449395**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Total Metallic Impuritie	0-2000 (ppm)	1476.00 ppm
Particle size	0-100 (nm)	31.89 nm
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.90 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
Appearance(T397976)	Brown to black powder	Brown to black powder
ICP:Confirms Titanium Component	Confirmed	Confirmed



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QA & QC Manager