

## Certificate of Analysis

Date of Testing: 2024-11-08 18:53:50  
Date of Next Testing: 2028-11-07 18:53:50  
Product Name: **Titanium nitride**  
CAS Number: 25583-20-4  
Specifications & Purity:  $\geq 99.9\%$  metals basis, < 100nm  
Lot #: K2404705  
SKU #: **T397976**  
Version: **1**  
Analysis #: **362309**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Total Metallic Impuritie	0-2000 (ppm)	480.00 ppm
Particle size	0-100 (nm)	35.66 nm
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.95 %
Appearance(T397976)	Brown to black powder	Brown to black powder
ICP:Confirms Titanium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager