

## Certificate of Analysis

Date of Testing: 2023-01-16 15:12:26  
Date of Next Testing: 2027-01-15 15:12:26  
Product Name: **Titanium oxide, rutile**  
CAS Number: 13463-67-7  
Specifications & Purity: nanopowder, <100 nm particle size, 99.8% metals basis, hydrophilic  
Lot #: A2307060  
SKU #: **T104951**  
**Analysis: 178941**

Parameter	Limit Values	Result
Total Metallic Impurity	0-2000 (ppm)	362.00 ppm
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.96 %
Particle size	80-120 (nm)	85.90 nm
Appearance (T104951)	white powder	White powder
Crystal form(Rutile)	pass	Pass
ICP:Confirms Titanium Component	Confirmed	Confirmed
surface properties,Hydrophilic	Conforms	Conforms
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager