

## Certificate of Analysis

Date of Testing: 2023-02-15 09:25:57  
Date of Next Testing: 2027-02-14 09:25:57  
Product Name: **Titanium oxide, rutile**  
CAS Number: 13463-67-7  
Specifications & Purity: nanopowder, 25 nm particle size, 99.8% metals basis, hydrophilic  
Lot #: B2307690  
SKU #: **T104942**  
**Analysis: 173597**

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.98 %
Total Metallic Impurities	0-2000 (ppm)	183.00 ppm
Particle size	15-35 (nm)	19.34 nm
Appearance (T104942)	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