

## Certificate of Analysis

Date of Testing: 2022-04-20 08:38:31  
Date of Next Testing: 2026-04-19 08:38:31  
Product Name: **Titanium oxide, rutile**  
CAS Number: 13463-67-7  
Specifications & Purity: nanopowder, <100 nm particle size, 99.8% metals basis, lipophilic  
Lot #: C2223563  
SKU #: **T104945**  
**Analysis: 075354**

Parameter	Limit Values	Result
Total Metallic Impurities	0-2000 (ppm)	814.00 ppm
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.92 %
Particle size	80-120 (nm)	96.47 nm
Appearance (T104945)	white powder	White powder
Crystal form(Rutile)	pass	Pass
ICP:Confirms Titanium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
surface properties,Lipophilic	Conforms	Conforms



John Su  
QA & QC Manager