

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-07 14:14:27  
Date of Next Testing: 2026-11-06 14:14:27  
Product Name: **Titanium oxide, rutile**  
CAS Number: 13463-67-7  
Specifications & Purity: nanopowder, <60 nm particle size, 99.5% metals basis  
Lot #: K2204709  
SKU #: **T104939**  
**Analysis: 142250**

Parameter	Limit Values	Result
Total Metallic Impurities	0-5000 (ppm)	350.00 ppm
Purity (Based On Trace Metals Analysis)	99.5-100 (%)	99.97 %
Particle size	50-70 (nm)	60.83 nm
Appearance (T104939)	white powder	White powder
Crystal form (Rutile)	pass	Pass
ICP: Confirms Titanium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager