

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-07-28 09:15:46  
Date of Next Testing: 2026-07-27 09:15:46  
Product Name: **Titanium oxide, rutile**  
CAS Number: 13463-67-7  
Specifications & Purity: nanopowder, <60 nm particle size, 99.5% metals basis  
Lot #: G2220624  
SKU #: **T104939**  
**Analysis: 096852**

Parameter	Limit Values	Result
Total Metallic Impurities	0-5000 (ppm)	752.00 ppm
Purity(Based On Trace Metals Analysis)	99.5-100 (%)	99.92 %
Particle size	50-70 (nm)	65.39 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