

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

### Certificate of Analysis

Date of Testing: 2026-03-14 10:15:08  
Date of Next Testing: 2030-03-13 10:15:08  
Product Name: **Titanium oxide, rutile**  
CAS Number: 13463-67-7  
Specifications & Purity:  $\geq 99.8\%$  metals basis, nanopowder, <100 nm particle size, lipophilic  
Lot #: C2605597  
SKU #: **T104945**  
Version: **0**  
Analysis #: **660952**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Total Metallic Impuritie	0-2000 (ppm)	58.00000 ppm
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.99420 %
Particle size	80-120 (nm)	119.50000 nm
Appearance (T104945)	white powder	White powder
Crystal form(Rutile)	pass	Pass
ICP:Confirms Titanium Component	Confirmed	Confirmed
surface properties,Lipophilic	Conforms	Conforms
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager