

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-07 14:01:22
Date of Next Testing: 2026-11-06 14:01:22
Product Name: **Titanium oxide, rutile**
CAS Number: 13463-67-7
Specifications & Purity: nanopowder, <60 nm particle size, 99.5% metals basis
Lot #: K2204711
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