

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-03-11 15:50:14  
Date of Next Testing: 2022-09-07 15:50:14  
Product Name: **Titanium isopropoxide**  
CAS Number: 546-68-9  
Specifications & Purity: 95%  
Lot #: G2107298  
SKU #: **T105735**  
**Analysis:** **082096**  
Storage Temperature: Argon charged

| Parameter                          | Limit Values                             | Result                                   |
|------------------------------------|--|--|
| Density (20°C)                     | 0.95-0.98                                | 0.96                                     |
| Titanium dioxide (Ti)              | 27.5-28.3 (%)                            | 27.90 %                                  |
| Chloride (Cl-)                     | 0-65 (ppm)                               | 33.00 ppm                                |
| Crystallization point              | 17.5-19.5 (°C)                           | 17.90 °C                                 |
| Refractive index n <sub>20/D</sub> | 1.462-1.468                              | 1.46                                     |
| Appearance (T105735)               | Colorless to pale yellow liquid or solid | Colorless to pale yellow liquid or solid |
| Infrared spectrum                  | Conforms to Structure                    | Conforms to Structure                    |



John Su  
QA & QC Manager