

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-03-04 17:14:41  
Date of Next Testing: 2022-08-31 17:14:41  
Product Name: **Titanium isopropoxide**  
CAS Number: 546-68-9  
Specifications & Purity: 95%  
Lot #: C2203272  
SKU #: **T105735**  
**Analysis:** **077758**  
Storage Temperature: Argon charged

| Parameter                           | Limit Values                             | Result                                   |
|-------------------------------------|--|--|
| Density (20°C)                      | 0.95-0.98                                | 0.96                                     |
| Chloride (Cl-)                      | 0-65 (ppm)                               | 64.20 ppm                                |
| Refractive index n <sub>20</sub> /D | 1.462-1.468                              | 1.47                                     |
| Titanium dioxide (Ti)               | 27.5-28.3 (%)                            | 28.18 %                                  |
| Crystallization point               | 17.5-19.5 (°C)                           | 19.00 °C                                 |
| Infrared spectrum                   | Conforms to Structure                    | Conforms to Structure                    |
| Appearance (T105735)                | Colorless to pale yellow liquid or solid | Colorless to pale yellow liquid or solid |



John Su  
QA & QC Manager