

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-31 13:29:01  
 Date of Next Testing: 2029-03-30 13:29:01  
 Product Name: **Barium titanate**  
 CAS Number: 12047-27-7  
 Specifications & Purity:  $\geq 99.9\%$  metals basis, < 100 nm  
 Lot #: C2518616  
 SKU #: **B118840**  
 Version: **0**  
 Analysis #: **464836**  
 Storage Temperature: Room temperature

| Parameter                                       | Limit Values              | Result                    |
|-------------------------------------------------|---------------------------|---------------------------|
| Loss on drying                                  | 0-1.5 (%)                 | 1.00000 %                 |
| Purity(Based on Trace Metals Impurities of ICP) | 99.9-100 (%)              | 99.98060 %                |
| Particle size                                   | 0-100 (nm)                | 67.07000 nm               |
| Total Metallic Impuritie                        | 0-1000 (ppm)              | 194.00000 ppm             |
| Appearance (B118840)                            | White to Off-White Powder | White to Off-White Powder |
| ICP Major Analysis Confirmed                    | Confirmed to structure    | Confirmed to structure    |
| X-Ray Diffraction                               | Conforms to Structure     | Conforms to Structure     |



John Su  
QA & QC Manager