

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-19 09:39:00

Date of Next Testing: 2028-09-18 09:39:00

Product Name: **Barium titanate(IV)**

CAS Number: 12047-27-7

Specifications & Purity:  $\geq 99.9\%$  metals basis, nanopowder (cubic), 50 nm (SEM)

Lot #: I2517202

SKU # **B431563**

Version **1**

**Analysis #:** **569889**

Storage Temperature: Room temperature

| Parameter                                         | Limit Values              | Result                    |
|---------------------------------------------------|---------------------------|---------------------------|
| Purity(Based On Trace Metals Analysis)            | 99.9-100 (%)              | 99.97710 %                |
| Total Metallic Impuritie                          | 0-1000 (ppm)              | 229.00000 ppm             |
| Particle Size(SEM)                                | 40-60 (nm)                | 52.93000 nm               |
| Appearance(B431563)                               | White to Off-White Powder | White to Off-White Powder |
| ICP Major Analysis(Confirms Ti and Ba Components) | Confirmed                 | Confirmed                 |
| X-Ray Diffraction                                 | Conforms to Structure     | Conforms to Structure     |



John Su  
QA & QC Manager