

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-20 17:32:33  
 Date of Next Testing: 2029-08-19 17:32:33  
 Product Name: **(±)-1,3-Butanediol**  
 CAS Number: 107-88-0  
 Specifications & Purity: ≥99%  
 Lot #: H2514260  
 SKU #: **B111016**  
 Version: **0**  
 Analysis #: **550974**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                           | Limit Values                                             | Result                                                   |
|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Purity(GC)                          | 99-100 (%)                                               | 99.91500 %                                               |
| Density (20°C)                      | 1.004-1.007                                              | 1.00530                                                  |
| Refractive index n <sub>20</sub> /D | 1.439-1.441                                              | 1.44000                                                  |
| Appearance (B111016)                | Colorless to light yellow clear liquid or viscous liquid | Colorless to light yellow clear liquid or viscous liquid |
| Infrared spectrum                   | Conforms to Structure                                    | Conforms to Structure                                    |



John Su  
QA & QC Manager