

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-02-04 18:24:38  
 Date of Next Testing: 2030-02-03 18:24:38  
 Product Name: **1,4-Butanediol(BDO)**  
 CAS Number: 110-63-4  
 Specifications & Purity: Anhydrous Grade, ≥99%  
 Lot #: A2630267  
 SKU #: **B1508458**  
 Version: **1**  
 Analysis #: **644473**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                           | Limit Values                            | Result                                  |
|-------------------------------------|-----------------------------------------|-----------------------------------------|
| Purity(GC)                          | 99-100 (%)                              | 99.92000 %                              |
| Refractive index n <sub>20</sub> /D | 1.444-1.448                             | 1.44620                                 |
| Water by Karl Fischer               | 0-0.01 (%)                              | 0.00980 %                               |
| Density (20°C)                      | 1.016-1.019                             | 1.01610                                 |
| Appearance(B1508458)                | White Solid to Colorless Viscous Liquid | White Solid to Colorless Viscous Liquid |
| Infrared spectrum                   | Conforms to Structure                   | Conforms to Structure                   |



John Su  
QA & QC Manager