

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-05-05 15:25:28

Date of Next Testing: 2030-05-04 15:25:28

Product Name: **1,4-Butanediol(BDO)**

CAS Number: 110-63-4

Specifications & Purity: Anhydrous Grade,  $\geq 99\%$

Lot #: D2627077

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                   |



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QA & QC Manager