

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-10 17:14:16

Date of Next Testing: 2029-11-09 17:14:16

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

CAS Number: 110-63-4

Specifications & Purity:  $\geq 99\%$

Lot #: K2507153

SKU #: **B110391**

Version: **1**

Analysis #: **596785**

Storage Temperature: Room temperature, Argon charged

| Parameter                          | Limit Values                            | Result                                  |
|------------------------------------|-----------------------------------------|-----------------------------------------|
| Density (20°C)                     | 1.016-1.019                             | 1.01610                                 |
| Water by Karl Fischer              | 0-0.1 (%)                               | 0.02830 %                               |
| Refractive index n <sub>20/D</sub> | 1.444-1.448                             | 1.44610                                 |
| Purity(GC)                         | 99-100 (%)                              | 99.59000 %                              |
| Appearance (B110391)               | 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