

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-02-09 13:48:03  
Date of Next Testing: 2030-02-08 13:48:03  
Product Name: **1,4-Butanediol (BDO)**  
CAS Number: 110-63-4  
Specifications & Purity:  $\geq 99\%$   
Lot #: B2604161  
SKU #: **B110391**  
Version: **1**  
Analysis #: **651660**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.1 (%)	0.07000 %
Refractive index n <sub>20</sub> /D	1.444-1.448	1.44630
Density (20°C)	1.016-1.019	1.01600
Purity(GC)	99-100 (%)	99.25800 %
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