

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-11 17:12:04

Date of Next Testing: 2027-02-10 17:12:04

Product Name: **1,2,3-Butanetriol**

CAS Number: 4435-50-1

Specifications & Purity: $\geq 90\%$ (GC)

Lot #: B2306146

SKU #: **B152043**

Version: **0**

Analysis #: **163135**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	90-100 (%)	98.52300 %
Density (20°C)	1.173-1.18	1.17600
Refractive index n ₂₀ /D	1.467-1.473	1.47160
Appearance (B152043)	light yellow to yellow liquid	light yellow to yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager