

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-13 17:37:40

Date of Next Testing: 2027-02-12 17:37:40

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

CAS Number: 4435-50-1

Specifications &amp; Purity: &gt;90.0%(GC)

Lot #: B2306148

SKU #: **B152043****Analysis: 163135**

Parameter	Limit Values	Result
Purity(GC)	90-100 (%)	98.52 %
Density (20°C)	1.173-1.18	1.18
Refractive index n <sub>20</sub> /D	1.467-1.473	1.47
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