

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-09 17:20:37

Date of Next Testing: 2027-05-08 17:20:37

Product Name: **1,2-Butanediol**

CAS Number: 584-03-2

Specifications & Purity: >98.0%(GC)

Lot #: E2309389

SKU #: **B153217**Analysis: **182357**

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.437-1.44	1.44
Purity(GC)	98-100 (%)	98.36 %
Appearance (B153217)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager