

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-28 21:07:04

Date of Next Testing: 2027-02-27 21:07:04

Product Name: ($\pm$)-1,3-Butanediol

CAS Number: 107-88-0

Specifications & Purity: $\geq 99\%$

Lot #: B2327478

SKU #: B111016

Version: 0

Analysis #: 187737

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.004-1.007	1.00400
Refractive index n ₂₀ /D	1.439-1.441	1.44000
Purity(GC)	99-100 (%)	99.40000 %
Appearance (B111016)	colorless viscous liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager