

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-11 19:24:15
 Date of Next Testing: 2028-12-10 19:24:15
 Product Name: ($\pm$)-1,3-Butanediol
 CAS Number: 107-88-0
 Specifications & Purity: $\geq 99\%$
 Lot #: L2406027
 SKU #: B111016
 Version: 0
 Analysis #: 441939
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.86100 %
Refractive index n ₂₀ /D	1.439-1.441	1.44020
Density (20°C)	1.004-1.007	1.00400
Appearance (B111016)	colorless viscous liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager