

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-10 17:45:46

Date of Next Testing: 2026-12-10 17:45:46

Product Name: (S)-(+)-2-Butanol

CAS Number: 4221-99-2

Specifications & Purity: ≥98%(GC)

Lot #: C2308843

SKU #: S138824

Version: 0

Analysis #: 446927

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=Neat)	11-14 (°)	11.02000 °
Purity(GC)	98-100 (%)	99.30000 %
Density (20°C)	0.807-0.81	0.80800
Refractive index n ₂₀ /D	1.396-1.398	1.39700
Appearance (S138824)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager