

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-15 11:45:55
 Date of Next Testing: 2026-09-14 11:45:55
 Product Name: (S)-(+)-1,2-Propanediol
 CAS Number: 4254-15-3
 Specifications & Purity: ≥98%
 Lot #: H2231606
 SKU #: P101750
 Version: 0
 Analysis #: 226329
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Refractive index n _{20/D}	1.431-1.434	1.43330
Specific Rotation [α] _{20/D}	14.5-18.5 (°)	17.24900°
Purity(GC)	98-100 (%)	99.30400 %
Appearance (P101750)	Colorless to light yellow to orange liquid	Colorless to light yellow to orange liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager