

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-15 11:50:11

Date of Next Testing: 2026-09-14 11:50:11

Product Name: (S)-(+)-1,2-Propanediol

CAS Number: 4254-15-3

Specifications & Purity: $\geq 98\%$

Lot #: H2231604

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