

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-08 16:46:29

Date of Next Testing: 2027-05-07 16:46:29

Product Name: **(R)-(-)-1,2-Propanediol**

CAS Number: 4254-14-2

Specifications & Purity: $\geq 99\%$

Lot #: I1521001

SKU # **P101749**

Version **2**

Analysis #: **219517**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Refractive index n _{20/D}	1.431-1.434	1.43210
Purity(GC)	99-100 (%)	99.87000 %
Specific Rotation [α] _{20/D}	-18--15 (°)	-17.00000 °
Density (20°C)	1.035-1.039	1.03700
Appearance (P101749)	Colorless Liquid	Colorless liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager