

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-13 09:24:21
 Date of Next Testing: 2029-03-12 09:24:21
 Product Name: (S)-(+)-3-Chloro-1,2-propanediol
 CAS Number: 60827-45-4
 Specifications & Purity: $\geq 97\%$
 Lot #: F2105013
 SKU #: C106059
 Version: 1
 Analysis #: 479084
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.478-1.482	1.48000
Enantiometric Excess	97-100 (%)	97.10000 %
Specific Rotation [α] ₂₀ /D(c=2 in H ₂ O)	7.5-10.5 (°)	8.26000 °
Purity(GC)	97-100 (%)	97.08000 %
Density (25°C)	1.321-1.324	1.32300
Appearance (C106059)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager