

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-18 10:35:39  
Date of Next Testing: 2030-06-17 10:35:39  
Product Name: **(S)-(+)-3-Chloro-1,2-propanediol**  
CAS Number: 60827-45-4  
Specifications & Purity:  $\geq 97\%$   
Lot #: I2201265  
SKU #: **C106059**  
Version: **1**  
Analysis #: **723252**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.478-1.482	1.47950
Enantiometric Excess	97-100 (%)	98.98800 %
Specific Rotation [α] <sub>20</sub> /D(c=2 in H <sub>2</sub> O)	7.5-10.5 (°)	8.15380 °
Purity(GC)	97-100 (%)	99.20400 %
Density (25°C)	1.321-1.324	1.32250
Appearance (C106059)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager