

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-14 11:37:28  
Date of Next Testing: 2030-04-13 11:37:28  
Product Name: **(R)-(-)-3-Chloro-1,2-propanediol**  
CAS Number: 57090-45-6  
Specifications & Purity:  $\geq 97\%$   
Lot #: D2609265  
SKU #: **C106058**  
Version: **1**  
Analysis #: **679012**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Optical purity(ee)	98-100 (%)	99.52580 %
Specific Rotation $[\alpha]_{20/D}(c=Neat)$	-1.2--0.8 ( $^{\circ}$ )	-1.02400 $^{\circ}$
Refractive index $n_{20/D}$	1.479-1.481	1.47980
Density (20°C)	1.321-1.325	1.32350
Purity(GC)	97-100 (%)	99.28000 %
Appearance (C106058)	Colorless to Yellow to Orange Liquid	Colorless to Yellow to Orange Liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager