

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-20 10:35:30
 Date of Next Testing: 2027-06-19 10:35:30
 Product Name: (R)-(-)-3-Chloro-1,2-propanediol
 CAS Number: 57090-45-6
 Specifications & Purity: ≥97%
 Lot #: F23051001
 SKU #: C106058
 Version: 1
 Analysis #: 021663
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Optical purity(ee)	98-100 (%)	99.00000 %
Specific Rotation [α] ₂₀ /D(c=Neat)	-1.2--0.8 (°)	-0.82800 °
Refractive index n ₂₀ /D	1.479-1.481	1.47930
Density (20°C)	1.321-1.325	1.32400
Purity(GC)	97-100 (%)	97.03400 %
Density (20°C)	1.321-1.325	1.32400
Appearance (C106058)	Colorless to Yellow to Orange Liquid	Colorless to Yellow to Orange Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager