

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-05-08 13:37:37
Date of Next Testing: 2028-05-07 13:37:37
Product Name: **(R)-(-)-3-Chloro-1,2-propanediol**
CAS Number: 57090-45-6
Specifications & Purity: $\geq 97\%$
Lot #: G2028152
SKU #: **C106058**
Version: **1**
Analysis #: **354793**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	97.01000 %
Optical purity(ee)	98-100 (%)	98.20000 %
Specific Rotation $[\alpha]_{20/D}(c=Neat)$	-1.2--0.8 ($^{\circ}$)	-0.80600 $^{\circ}$
Refractive index $n_{20/D}$	1.479-1.481	1.48000
Density (20°C)	1.321-1.325	1.32200
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