

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2024-10-15 18:12:39

Date of Next Testing: 2028-10-14 18:12:39

Product Name: (R)-(-)-3-Chloro-1,2-propanediol

CAS Number: 57090-45-6

Specifications & Purity: 97%

Lot #: J2410133

SKU #: S71119

Version: 0

Analysis #: 419267

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	98.02 %
Optical purity(ee)	98-100 (%)	99.30 %
Specific Rotation $[\alpha]_{20/D}(c=Neat)$	-1.2--0.8 (°)	-0.80 °
Refractive index $n_{20/D}$	1.479-1.481	1.48
Density (20°C)	1.321-1.325	1.32
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(S71119)	Colorless to Yellow to Orange Liquid	Colorless to Yellow to Orange Liquid

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zhu

