

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-29 15:41:20
 Date of Next Testing: 2026-06-28 15:41:20
 Product Name: (S)-(+)-1,2-Isopropylideneglycerol
 CAS Number: 22323-82-6
 Specifications & Purity: $\geq 98\%$ (GC)
 Lot #: F2222014
 SKU #: I123573
 Version: 0
 Analysis #: 081414
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.433-1.435	1.43470
Enantiometric Excess	98-100 (%)	98.14000 %
Purity(GC)	98-100 (%)	98.37300 %
Density (20°C)	1.067-1.07	1.06900
Specific Rotation [α] ₂₀ /D	13.5-14.5 (°)	14.28500 °
Appearance (I123573)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager