

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-17 13:28:27
 Date of Next Testing: 2028-01-16 13:28:27
 Product Name: (S)-(+)-1,2-Isopropylidenglycerol
 CAS Number: 22323-82-6
 Specifications & Purity: ≥98%(GC)
 Lot #: E1611128
 SKU #: I123573
 Version: 0
 Analysis #: 315160
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Refractive index n _{20/D}	1.433-1.435	1.43400
Specific Rotation [α] _{20/D}	13.5-14.5 (°)	14.10000 °
Enantiometric Excess	98-100 (%)	98.10000 %
Purity(GC)	98-100 (%)	99.12400 %
Density (20°C)	1.067-1.07	1.06800
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