

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2021-12-27 15:56:57
Date of Next Testing: 2023-12-27 15:56:57
Product Name: **(R)-(+)-Limonene**
CAS Number: 5989-27-5
Specifications & Purity: For terpene analysis, > 99.0% (GC)
Lot #: L2123513
SKU #: **L128108**
Analysis: **058857**
Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=10 in EtOH)	108.3-119.7 (°)	113.45 °
Purity(GC)	99-100 (%)	99.06 %
Refractive index n ₂₀ /D	1.471-1.474	1.47
Density (20°C)	0.843-0.845	0.84
Appearance (L128108)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager