

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-14 10:00:00
Date of Next Testing: 2026-11-14 10:00:00
Product Name: **(R)-(+)-Limonene**
CAS Number: 5989-27-5
Specifications & Purity: $\geq 99\%$ (GC), For terpene analysis, > 99.0% (GC)
Lot #: A2330104
SKU #: **L128108**
Version: **1**
Analysis #: **432380**
Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.471-1.474	1.47300
Specific Rotation [α] ₂₀ /D(c=10 in EtOH)	108.3-119.7 (°)	108.37000 °
Purity(GC)	99-100 (%)	99.07600 %
Appearance (L128108)	Colorless to Almost colorless clear liquid	Colorless to almost colorless clear liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager