

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-02-09 17:31:49
 Date of Next Testing: 2030-02-08 17:31:49
 Product Name: (-)-Limonene
 CAS Number: 5989-54-8
 Specifications & Purity: ≥95%(GC)
 Lot #: B2603144
 SKU #: L157739
 Version: 0
 Analysis #: 503984
 Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=Neat)	-90--61 (°)	-83.05200 °
Purity(GC)	95-100 (%)	95.47600 %
Appearance (L157739)	colorless to pale yellow liquid	colorless to pale yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager