

Certificate of Analysis

Date of Testing: 2026-08-19 18:03:13

Date of Next Testing: 2030-08-18 18:03:13

Product Name: **(-)-Limonene**

CAS Number: 5989-54-8

Grades & Purity: $\geq 95\%$ (GC)

Lot #: H2617123

SKU # **L157739**

Version **0**

Analysis #: **754921**

Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=\text{Neat})$	-90--61 (°)	-79.48400 °
Purity(GC)	95-100 (%)	99.10200 %
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