

Certificate of Analysis

Date of Testing: 2025-09-08 14:45:30

Date of Next Testing: 2029-09-07 14:45:30

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

CAS Number: 5989-54-8

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

Lot #: K2124060

SKU # **L157739**

Version **0**

Analysis #: **568686**

Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=\text{Neat})$	-90--61 (°)	-88.48°
Purity(GC)	95-100 (%)	97.44 %
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