

Certificate of Analysis

Date of Testing: 2024-08-28 10:54:38

Date of Next Testing: 2028-08-27 10:54:38

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

CAS Number: 5989-54-8

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

Lot #: H2416377

SKU # **L157739**

Version **0**

Analysis #: **396420**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=\text{Neat})$	-90--61 (°)	-74.53°
Purity(GC)	95-100 (%)	96.29%
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