

**Product Name:** (S)-(-)-Limonene, 97%  
**Catalog Number:** L13244.30

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**CAS Number:** 5989-54-8  
**IUPAC Name:** (4S)-1-methyl-4-(prop-1-en-2-yl)cyclohex-1-ene  
**Molecular Formula:** C<sub>10</sub>H<sub>16</sub>  
**Molecular Weight:** 136.24  
**InChI Key:** XMGQYMWWDOXHJM-SNVBAGLBSA-N  
**SMILES:** CC(=C)[C@H]1CCC(C)=CC1  
**Synonym:** (-)-limonene β-limonene 4alphah-p-mentha-1,8-diene (.+.-)-limonene

## Product Specification

**Appearance (Color):** Clear colorless to pale yellow  
**Form:** Liquid  
**Assay (GC):** ≥95.0%  
**Identification (FTIR):** Conforms  
**Optical Rotation:** ≤ -60° (neat)  
**Refractive Index:** 1.4690-1.4760 @ 20°C

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**Date Of Print:** 09/25/2025

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*