

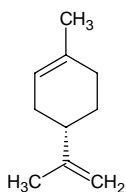
l-limonene

l-リモネン

Formula C₁₀H₁₆

Mol. Wt. 136.23

CAS No. 5989-54-8



SEQ No. 1466 テルペン系炭化水素類

FEMA No.

JECFA No.

	JFFMA	JECFA	FCC
Chemical name	l-limonene		L-Limonene
Content (NLT)	90.0 % (GC)		95.0 % GC(M-1a)
Refractive index	1.468-1.478 (n _{20D})		1.469-1.473 (n _{20D})
Specific gravity	0.840-0.850 (d _{20/20})		0.837-0.841 (d _{25/25})
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation	AR: -90 to -80° (α _{20D})		AR: -90 to -61°
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			Peroxide Value-5.0 (M-11)
Identification*	IR :6 MS :4,5 NMR :6		

*References

- 1: Joint FAO/WHO Expert Committee on Food Additive (JECFA)
- 2: Food Chemicals Codex (FCC)
- 3: 有機化合物のスペクトルデータベース SDBS(独立行政法人産業技術総合研究所)
- 4: Wiley's Registry of Mass spectral Database
- 5: NIST/EPA/NIH Mass Spectral Library
- 6: Sigma-Aldrich