

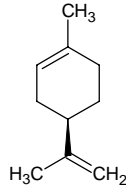
d-limonene

d-リモネン

Formula C₁₀H₁₆

Mol. Wt. 136.23

CAS No. 5989-27-5



SEQ No. 1465 テルペン系炭化水素類

FEMA No. 2633

JECFA No. 1326

	JFFMA	JECFA	FCC
Chemical name	d-limonene	d-Limonene	D-Limonene
Content (NLT)	90.0 % (GC)	96 % sum of d/l isomers	93.0 % GC(M-1a)
Refractive index	1.468-1.478 (n _{20D})	1.471-1.477 (n _{20D})	1.471-1.474 (n _{20D})
Specific gravity	0.840-0.850 (d _{20/20})	0.838-0.843 (d _{25/25})	0.838-0.843 (d _{25/25})
Acid value (NMT)			
Melting/Congeeing point			
Angular/Specific rotation	AR: 95 to 104° (α _{20D})	SR: +96 to +104° (25°C)	AR: 96 to 104° (25°C)
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements		Compounds present above 0.5%: linalool, myrcene	Peroxide Value : 5.0
Identification*	IR : 1,2,3,6 MS : 3,4,5 NMR : 3,6	IR	IR

*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