

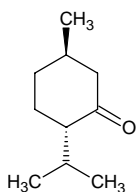
l-menthone

l-メントン

Formula C₁₀H₁₈O

Mol. Wt. 154.25

CAS No. 14073-97-3



SEQ No. 1513 ケトン類

FEMA No. 2667

JECFA No. 429

	JFFMA	JECFA	FCC
Chemical name	l-menthone	Menthone	L-Menthone
Content (NLT)	95.0 % (GC) sum of isomers	96 % sum of 2 isomers	96.0 % sum of two isomers /GC(M-1b)
Refractive index	1.445-1.455 (n _{20D})	1.448-1.453 (n _{20D})	1.448-1.453 (n _{20D})
Specific gravity	0.890-0.900 (d _{20/20})	0.888-0.895 (d _{25/25})	0.888-0.895 (d _{25/25})
Acid value (NMT)		1.0	1.0
Melting/Congeealing point			
Angular/Specific rotation	AR: -23 to -10° (α _{20D})	OR: ≥ -20°	AR: -25 to 0°
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 3 ml of 70% alcohol	1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR : 1,2,3,6 MS : 3,4,5 NMR : 3,6	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