

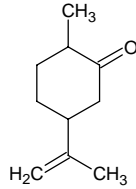
dihydrocarvone

ジヒドロカルボン

Formula C₁₀H₁₆O

Mol. Wt. 152.23

CAS No. 7764-50-3



SEQ No. 569 ケトン類

FEMA No. 3565

JECFA No. 377

	JFFMA	JECFA	FCC
Chemical name	dihydrocarvone	Dihydrocarvone	d-Dihydrocarvone
Content (NLT)	95.0 % (GC)	77 % min. 97% dihydrocarvone, carvone and the corresponding alcohols	92.0 % sum of two isomers /GC(M-1a)
Refractive index	1.467-1.477 (n _{20D})	1.470-1.474 (n _{20D})	1.470-1.474 (n _{20D})
Specific gravity	0.922-0.932 (d _{20/20})	0.923-0.928 (d _{25/25})	0.923-0.928 (d _{25/25})
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			AR: 14 to 22°
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% alc
Other requirements			
Identification*	IR : 1,2,3 MS : 3,4,5 NMR : 3	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