

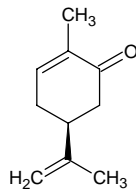
d-carvone

d-カルボン

Formula C₁₀H₁₄O

Mol. Wt. 150.22

CAS No. 2244-16-8



SEQ No. 344 ケトン類

FEMA No. 2249

JECFA No. 380

	JFFMA	JECFA	FCC
Chemical name	d-carvone	d-Carvone	D-Carvone
Content (NLT)	96.0 % (GC)	95.0 %	95.0 % GC(M-1b)
Refractive index	1.494-1.503 (n _{20D})	1.496-1.499 (n _{20D})	1.496-1.499 (n _{20D})
Specific gravity	0.953-0.963 (d _{20/20})	0.955-0.960 (d _{25/25})	0.955-0.960 (d _{25/25})
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation	AR: 47 to 61° (α _{20D})	OR: 50 to 60°	AR: 50 to 60°
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 5 ml 60% alcohol	1 mL in 5 mL 60% alc
Other requirements			
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