

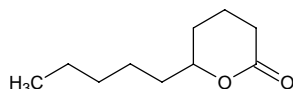
delta-decalactone

δ-デカラクトン

Formula C₁₀H₁₈O₂

Mol. Wt. 170.25

CAS No. 705-86-2



SEQ No. 489 ラクトン類

FEMA No. 2361

JECFA No. 232

	JFFMA	JECFA	FCC
Chemical name	delta-decalactone	delta-Decalactone	δ-Decalactone
Content (NLT)	95.0 % (GC)	98 %	98.0 % GC(M-1b)
Refractive index	1.453-1.463 (n ₂₀ D)	1.456-1.459 (n ₂₀ D)	1.454-1.459 (n ₂₀ D)
Specific gravity	0.967-0.977 (d ₂₀ /20)	0.964-0.971 (d ₂₅ /25)	0.964-0.971 (d ₂₅ /25)
Acid value (NMT)	5.0	5.0	5.0 (Appendix VII; A.V. Method II)
Melting/Congeeing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements		Saponification Value: 323 to 333	
Identification*	IR : 1,2,3 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