

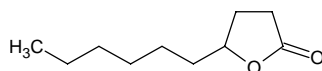
gamma-decalactone

γ-デカラクトン

Formula C₁₀H₁₈O₂

Mol. Wt. 170.25

CAS No. 706-14-9



SEQ No. 490 ラクトン類

FEMA No. 2360

JECFA No. 231

	JFFMA	JECFA	FCC
Chemical name	gamma-decalactone	gamma-Decalactone	γ-Decalactone
Content (NLT)	95.0 % (GC)	95.0 %	95.0 % GC(M-1a)
Refractive index	1.443-1.453 (n _{20D})	1.447-1.451 (n _{20D})	1.447-1.451 (n _{20D})
Specific gravity	0.950-0.960 (d _{20/20})	0.950-0.955 (d _{25/25})	0.949-0.954 (d _{25/25})
Acid value (NMT)	3.0	1.0	1.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 1 ml 95% alcohol	1 mL in 1 mL 95% 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