

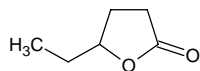
gamma-hexalactone

γ-ヘキサラクトン

Formula C₆H₁₀O₂

Mol. Wt. 114.14

CAS No. 695-06-7



SEQ No. 1086 ラクトン類

FEMA No. 2556

JECFA No. 223

	JFFMA	JECFA	FCC
Chemical name	gamma-hexalactone	gamma-Hexalactone	γ-Hexalactone
Content (NLT)	98.0 % (GC)	98.0 %	98.0 % GC(M-1a)
Refractive index	1.435-1.441 (n _{20D})	1.437-1.442 (n _{20D})	1.437-1.442 (n _{20D})
Specific gravity	1.024-1.030 (d _{20/20})	1.020-1.025 (d _{25/25})	1.020-1.025 (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 1ml 95% alc
Other requirements			
Identification*	IR :1,2 MS :4,5 NMR :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