

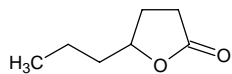
gamma-heptalactone

γ-ヘプタラクトン

Formula C₇H₁₂O₂

Mol. Wt. 128.17

CAS No. 105-21-5



SEQ No. 1029 ラクトン類

FEMA No. 2539

JECFA No. 225

	JFFMA	JECFA	FCC
Chemical name	gamma-heptalactone	gamma-Heptalactone	γ-Heptalactone
Content (NLT)	96.0 % (GC)	98 %	98.0 % GC(M-1a)
Refractive index	1.437-1.447 (n _{20D})	1.439-1.445 (n _{20D})	1.439-1.445 (n _{20D})
Specific gravity	0.995-1.005 (d _{20/20})	0.997-1.004 (20°C)	0.989-0.998 (d _{25/25})
Acid value (NMT)	3.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR :1,2 MS :4,5 NMR :	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