

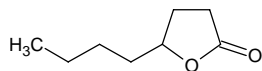
gamma-octalactone

γ-オクタラクトン

Formula C₈H₁₄O₂

Mol. Wt. 142.20

CAS No. 104-50-7



SEQ No. 2011 ラクトン類

FEMA No. 2796

JECFA No. 226

	JFFMA	JECFA	FCC
Chemical name	gamma-octalactone	gamma-Octalactone	γ-Octalactone
Content (NLT)	95.0 % (GC)	95 %	95.0 % GC(M-1a)
Refractive index	1.439-1.449 (n _{20D})	1.443-1.447 (n _{20D})	1.443-1.447 (n _{20D})
Specific gravity	0.978-0.988 (d _{20/20})	0.970-0.980 (d _{25/25})	0.970-0.980 (d _{25/25})
Acid value (NMT)	3.0	8.0	8.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
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