

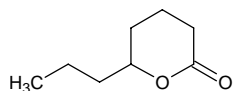
delta-octalactone

δ-オクタラクトン

Formula C₈H₁₄O₂

Mol. Wt. 142.20

CAS No. 698-76-0



SEQ No. 2010 ラクトン類

FEMA No. 3214

JECFA No. 228

	JFFMA	JECFA	FCC
Chemical name	delta-octalactone	delta-Octalactone	δ-Octalactone
Content (NLT)	97.0 % (GC)	98 %	98.0 % GC(M-1a)
Refractive index	1.451-1.459 (n _{20D})	1.452-1.458 (n _{20D})	1.452-1.458 (n _{20D})
Specific gravity	0.998-1.008 (d _{20/20})	0.994-0.999 (d _{25/25})	0.995-1.000 (d _{25/25})
Acid value (NMT)	5.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR :1,2,3 MS :3,4,5 NMR :3	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