

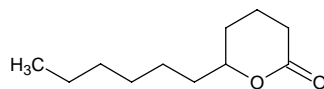
delta-undecalactone

δ-ウンデカラクトン

Formula C₁₁H₂₀O₂

Mol. Wt. 184.28

CAS No. 710-04-3



SEQ No. 2451 ラクトン類

FEMA No. 3294

JECFA No. 234

	JFFMA	JECFA	FCC
Chemical name	delta-undecalactone	5-Hydroxyundecanoic acid lactone	δ-Undecalactone
Content (NLT)	96.0 % (GC)	98.0 %	98.0 % sum of two isomers; δ isomer 96.0% min /GC(M-1a)
Refractive index	1.454-1.464 (n _{20D})	1.457-1.461 (n _{20D})	1.457-1.461 (n _{20D})
Specific gravity	0.956-0.966 (d _{20/20})	0.956-0.961 (d _{25/25})	0.956-0.961 (d _{25/25})
Acid value (NMT)	5.0		
Melting/Congeeing 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 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