

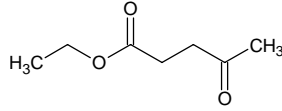
ethyl levulinate

エチル レブリネート

Formula C₇H₁₂O₃

Mol. Wt. 144.17

CAS No. 539-88-8



SEQ No. 845 エステル類

FEMA No. 2442

JECFA No. 607

	JFFMA	JECFA	FCC
Chemical name	ethyl levulinate	Ethyl levulinate	Ethyl Levulinate
Content (NLT)	98.0 % (GC)	98 %	98.0 % GC(M-1b)
Refractive index	1.419-1.425 (n _{20D})	1.420-1.425 (n _{20D})	1.420-1.425 (n _{20D})
Specific gravity	1.012-1.018 (d _{20/20})	1.009-1.014 (d _{25/25})	1.007-1.013 (d _{25/25})
Acid value (NMT)	1.0	2.0	2.0
Melting/Congeealing 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 : 1,2,3,6 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