

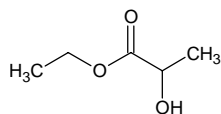
ethyl lactate

エチル ラクテート

Formula C₅H₁₀O₃

Mol. Wt. 118.13

CAS No. 97-64-3



SEQ No. 843 エステル類

FEMA No. 2440

JECFA No. 931

	JFFMA	JECFA	FCC
Chemical name	ethyl lactate	Ethyl lactate	Ethyl Lactate
Content (NLT)	97.0 % (GC)	97 %	98.0 % GC(M-1b)
Refractive index	1.410-1.416 (n _{20D})	1.408-1.422 (n _{20D})	1.410-1.420 (n _{20D})
Specific gravity	1.032-1.038 (d _{20/20})	1.029-1.037 (d _{25/25})	1.029-1.032 (d _{25/25})
Acid value (NMT)	1.0	5.0	1.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible	
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