

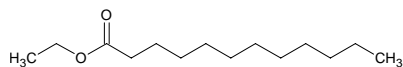
ethyl laurate

エチル ラウレート

Formula C₁₄H₂₈O₂

Mol. Wt. 228.37

CAS No. 106-33-2



SEQ No. 844 エステル類

FEMA No. 2441

JECFA No. 37

	JFFMA	JECFA	FCC
Chemical name	ethyl laurate	Ethyl dodecanoate	Ethyl Laurate
Content (NLT)	98.0 % (GC)	98.0 %	98.0 % GC(M-1b)
Refractive index	1.430-1.436 (n _{20D})	1.430-1.434 (n _{20D})	1.430-1.434 (n _{20D})
Specific gravity	0.861-0.867 (d _{20/20})	0.858-0.863 (d _{25/25})	0.858-0.863 (d _{25/25})
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeeing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1ml in 9ml 80% ethanol	1 mL in 9 mL 80% alc gives clear soln
Other requirements			
Identification*	IR : 1,2,3,5 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