

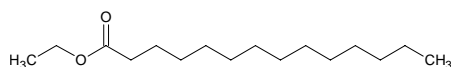
ethyl myristate

エチル ミリステート

Formula C₁₆H₃₂O₂

Mol. Wt. 256.42

CAS No. 124-06-1



SEQ No. 855 エステル類

FEMA No. 2445

JECFA No. 38

	JFFMA	JECFA	FCC
Chemical name	ethyl myristate	Ethyl tetradecanoate	Ethyl Myristate
Content (NLT)	98.0 % (GC)	98.0 %	98.0 % GC(M-1b)
Refractive index	1.434-1.440 (n _{20D})	1.434-1.438 (n _{20D})	1.434-1.438 (n _{20D})
Specific gravity	0.860-0.866 (d _{20/20})	0.857-0.862 (d _{25/25})	0.857-0.862 (d _{25/25})
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1ml in 1ml 95% ethanol	1 mL in 1 mL 95% alc
Other requirements			
Identification*	IR : 1,2,3,5,6 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