

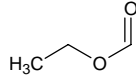
ethyl formate

エチル ホーマート

Formula C₃H₆O₂

Mol. Wt. 74.08

CAS No. 109-94-4



SEQ No. 830 エステル類

FEMA No. 2434

JECFA No. 26

	JFFMA	JECFA	FCC
Chemical name	ethyl formate	Ethyl formate	Ethyl Formate
Content (NLT)	95.0 % (GC)	95.0 %	95.0 % GC(M-1b)
Refractive index	1.355-1.365 (n _{20D})	1.359-1.363 (n _{20D})	1.359-1.363 (n _{20D})
Specific gravity	0.917-0.927 (d _{20/20})	0.917-0.922 (d _{25/25})	0.916-0.921 (d _{25/25})
Acid value (NMT)			Acidity-0.2% (M-5)
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1ml in 5ml 50% ethanol	1 mL in 5 mL 50% 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