

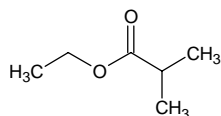
ethyl isobutyrate

エチル イソブチレート

Formula C₆H₁₂O₂

Mol. Wt. 116.16

CAS No. 97-62-1



SEQ No. 839 エステル類

FEMA No. 2428

JECFA No. 186

	JFFMA	JECFA	FCC
Chemical name	ethyl isobutyrate	Ethyl isobutyrate	Ethyl Isobutyrate
Content (NLT)	98.0 % (GC)	98.0 %	98.0 % GC(M-1b)
Refractive index	1.385-1.391 (n _{20D})	1.385-1.391 (n _{20D})	1.385-1.391 (n _{20D})
Specific gravity	0.867-0.873 (d _{20/20})	0.862-0.868 (d _{25/25})	0.862-0.868 (d _{25/25})
Acid value (NMT)	1.0	1.0	1.0
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