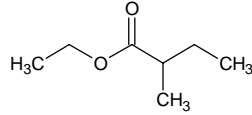


ethyl 2-methylbutyrate

エチル 2-メチルブチレート

Formula C₇H₁₄O₂

Mol. Wt. 130.18



CAS No. 7452-79-1

SEQ No. 766 エステル類

FEMA No. 2443

JECFA No. 206

	JFFMA	JECFA	FCC
Chemical name	ethyl 2-methylbutyrate	Ethyl 2-methylbutyrate	Ethyl 2-Methylbutyrate
Content (NLT)	95.0 % (GC)	95 %	95.0 % one isomer /GC(M-1b)
Refractive index	1.392-1.402 (n _{20D})	1.393-1.400 (n _{20D})	1.393-1.400 (n _{20D})
Specific gravity	0.864-0.874 (d _{20/20})	0.863-0.870 (d _{25/25})	0.863-0.870 (d _{25/25})
Acid value (NMT)	2.0	2.0	2.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR :1 MS :4,5 NMR :6	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