

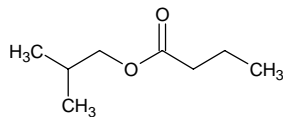
isobutyl butyrate

イソブチル ブチレート

Formula C₈H₁₆O₂

Mol. Wt. 144.21

CAS No. 539-90-2



SEQ No. 1340 エステル類

FEMA No. 2187

JECFA No. 158

	JFFMA	JECFA	FCC
Chemical name	isobutyl butyrate	Isobutyl butyrate	Isobutyl Butyrate
Content (NLT)	98.0 % (GC)	98.0 %	98.0 % GC(M-1b)
Refractive index	1.400-1.406 (n ₂₀ D)	1.402-1.405 (n ₂₀ D)	1.402-1.405 (n ₂₀ D)
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/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 8 ml 60% alcohol	1 mL in 8 mL 60% alc
Other requirements			
Identification*	IR : 1,2,3,5 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