

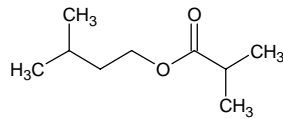
isoamyl isobutyrate

イソアミル イソブチレート

Formula C₉H₁₈O₂

Mol. Wt. 158.24

CAS No. 2050-01-3



SEQ No. 1300 エステル類

FEMA No. 3507

JECFA No. 49

	JFFMA	JECFA	FCC
Chemical name	isoamyl isobutyrate	Isoamyl isobutyrate	Isoamyl Isobutyrate
Content (NLT)	98.0 % (GC)	98.0 %	98.0 % GC(M-1b)
Refractive index	1.404-1.410 (n ₂₀ D)	1.407-1.411 (n ₂₀ D)	1.404-1.410 (n ₂₀ D)
Specific gravity	0.856-0.862 (d ₂₀ /20)	0.862-0.869 (15°C)	0.853-0.859 (d ₂₅ /25)
Acid value (NMT)	1.0	0.1	1.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR : 1,2,3,6 MS : 3,4,5 NMR : 3	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