

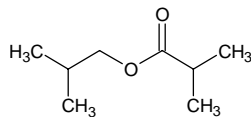
isobutyl isobutyrate

イソブチル イソブチレート

Formula C₈H₁₆O₂

Mol. Wt. 144.21

CAS No. 97-85-8



SEQ No. 1348 エステル類

FEMA No. 2189

JECFA No. 194

	JFFMA	JECFA	FCC
Chemical name	isobutyl isobutyrate	Isobutyl isobutyrate	
Content (NLT)	98.0 % (GC)	98.0 %	
Refractive index	1.397-1.403 (n _{20D})	1.396-1.402 (n _{20D})	
Specific gravity	0.853-0.859 (d _{20/20})	0.850-0.857 (d _{25/25})	
Acid value (NMT)	1.0	1.0	
Melting/Congeealing point		MP: -80 to -81°C	
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR :1,3 MS :3,4,5 NMR :3,6	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