

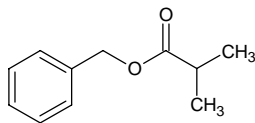
benzyl isobutyrate

ベンジル イソブチレート

Formula C₁₁H₁₄O₂

Mol. Wt. 178.23

CAS No. 103-28-6



SEQ No. 227 エステル類

FEMA No. 2141

JECFA No. 844

	JFFMA	JECFA	FCC
Chemical name	benzyl isobutyrate	Benzyl isobutyrate	Benzyl Isobutyrate
Content (NLT)	97.0 % (GC)	97 %	97.0 % GC(M-1b)
Refractive index	1.488-1.492 (n _{20D})	1.488-1.492 (n _{20D})	1.488-1.492 (n _{20D})
Specific gravity	1.004-1.010 (d _{20/20})	1.000-1.006 (d _{25/25})	1.000-1.005 (d _{25/25})
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible at room temperature	1 mL in 6 mL 70% alc
Other requirements			
Identification*	IR : 1,2,6 MS : 4,5 NMR :	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