

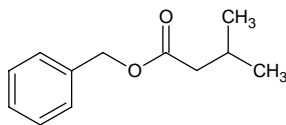
benzyl isovalerate

ベンジル イソバレレート

Formula C₁₂H₁₆O₂

Mol. Wt. 192.25

CAS No. 103-38-8



SEQ No. 229 エステル類

FEMA No. 2152

JECFA No. 845

	JFFMA	JECFA	FCC
Chemical name	benzyl isovalerate	Benzyl isovalerate	Benzyl Isovalerate
Content (NLT)	98.0 % (GC)	98 %	98.0 % one isomer /GC(M-1b)
Refractive index	1.482-1.490 (n _{20D})	1.482-1.490 (n _{20D})	1.486-1.490 (n _{20D})
Specific gravity	0.987-0.993 (d _{20/20})	0.981-0.989 (d _{25/25})	0.983-0.989 (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 3 mL 80% alc remains in soln on dilution
Other requirements			
Identification*	IR :1,2 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