

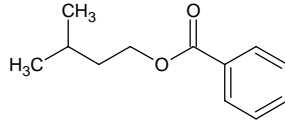
isoamyl benzoate

イソアミル ベンゾエート

Formula C₁₂H₁₆O₂

Mol. Wt. 192.25

CAS No. 94-46-2



SEQ No. 1292 エステル類

FEMA No. 2058

JECFA No. 857

	JFFMA	JECFA	FCC
Chemical name	isoamyl benzoate	Isoamyl benzoate	Isoamyl Benzoate
Content (NLT)	98.0 % (GC)	98 % sum of isomers	98.0 % sum of 2-/3-methyl butyl, and n-pentyl isomers /GC(M-1a)
Refractive index	1.490-1.496 (n _{20D})	1.491-1.497 (n _{20D})	1.492-1.496 (n _{20D})
Specific gravity	0.986-0.992 (d _{20/20})	0.984-0.992 (d _{25/25})	0.986-0.992 (d _{25/25})
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible at room temperature	1 mL in 1 mL 95% alc
Other requirements			
Identification*	IR : 1,2,3 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