

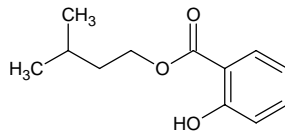
isoamyl salicylate

イソアミル サリシレート

Formula C₁₂H₁₆O₃

Mol. Wt. 208.25

CAS No. 87-20-7



SEQ No. 1315 エステル類

FEMA No. 2084

JECFA No. 903

	JFFMA	JECFA	FCC
Chemical name	isoamyl salicylate	Isoamyl salicylate	Isoamyl Salicylate
Content (NLT)	98.0 % (GC)	98 %	98.0 % sum of 2-/3-methyl butyl, and n-pentyl isomers /GC(M-1b)
Refractive index	1.504-1.509 (n _{20D})	1.504-1.509 (n _{20D})	1.505-1.509 (n _{20D})
Specific gravity	1.051-1.057 (d _{20/20})	1.046-1.055 (d _{25/25})	1.047-1.053 (d _{25/25})
Acid value (NMT)	1.0	1.0	1.0 (phenol red TS)
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible at room temperature	1 mL in 3 mL 90% alc remains in soln on dilution
Other requirements			
Identification*	IR : 1,2,3,5 MS : 3,4,5 NMR : 3,6	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