

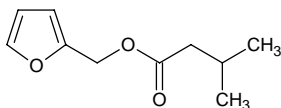
furfuryl isovalerate

フルフリル イソバレレート

Formula C₁₀H₁₄O₃

Mol. Wt. 182.22

CAS No. 13678-60-9



SEQ No. 975 エステル類

FEMA No. 3283

JECFA No. 743

	JFFMA	JECFA	FCC
Chemical name	furfuryl isovalerate	Furfuryl 3-methylbutanoate	
Content (NLT)	95.0 % (GC)	98 % by ester determination	
Refractive index	1.451-1.461 (n _{20D})	1.456-1.464 (n _{20D})	
Specific gravity	1.018-1.028 (d _{20/20})	1.014-1.023 (d _{25/25})	
Acid value (NMT)	1.0	1.0	
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible	
Other requirements		equivalence factor for assay = 91.15	
Identification*	IR :1,6 MS :4,5 NMR :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