

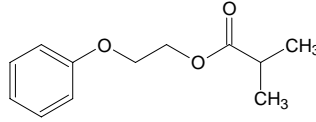
2-phenoxyethyl isobutyrate

2-フェノキシエチル イソブチレート

Formula C₁₂H₁₆O₃

Mol. Wt. 208.25

CAS No. 103-60-6



SEQ No. 2132 エステル類

FEMA No. 2873

JECFA No. 1028

	JFFMA	JECFA	FCC
Chemical name	2-phenoxyethyl isobutyrate	2-Phenoxyethyl isobutyrate	Phenoxyethyl Isobutyrate
Content (NLT)	98.0 % (GC)	97 %	97.0 % GC(M-1b)
Refractive index	1.491-1.497 (n _{20D})	1.491-1.496 (n _{20D})	1.492-1.495 (n _{20D})
Specific gravity	1.047-1.053 (d _{20/20})	1.044-1.048 (d _{25/25})	1.044-1.048 (d _{25/25})
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 mL in 3 mL 70% alcohol	1mL in 3mL 95% alc gives clear soln
Other requirements			
Identification*	IR :2 MS :4,5 NMR :1	NMR	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