

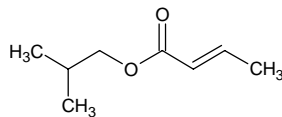
isobutyl 2-butenate

イソブチル 2-ブテノエート

Formula C₈H₁₄O₂

Mol. Wt. 142.20

CAS No. 589-66-2



SEQ No. 1342 エステル類

FEMA No. 3432

JECFA No. 1206

	JFFMA	JECFA	FCC
Chemical name	isobutyl 2-butenate	Isobutyl 2-butenate	Isobutyl-2-butenate
Content (NLT)	98.0 % (GC)	95 %	95.0 % GC(M1-a)
Refractive index	1.426-1.432 (n _{20D})	1.426-1.430 (n _{20D})	1.426-1.430 (n _{20D})
Specific gravity	0.889-0.895 (d _{20/20})	0.880-0.900 (d _{25/25})	0.880-0.900 (d _{25/25})
Acid value (NMT)	1.0	3	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		soluble	1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR : 1,2,6 MS : 4,5 NMR : 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