

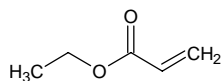
ethyl acrylate

エチル アクリレート

Formula C₅H₈O₂

Mol. Wt. 100.12

CAS No. 140-88-5



SEQ No. 810 エステル類

FEMA No. 2418

JECFA No. 1351

	JFFMA	JECFA	FCC
Chemical name	ethyl acrylate	Ethyl acrylate	Ethyl Acrylate
Content (NLT)	95.0 % (GC)	97 %	99.5 % GC(M-1b)Antioxidants- 0.022% (M-6)
Refractive index	1.402-1.412 (n _{20D})	1.403-1.409 (n _{20D})	
Specific gravity	0.918-0.928 (d _{20/20})	0.916-0.919 (d _{25/25})	0.916-0.919 (d _{25/25})
Acid value (NMT)	5.0	5	5.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			Water max. 0.05% /KF Antioxidants-0.022% (M-6)
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