

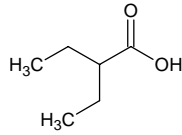
2-ethylbutyric acid

2-エチルブチリック アシド

Formula C₆H₁₂O₂

Mol. Wt. 116.16

CAS No. 88-09-5



SEQ No. 908 脂肪酸類

FEMA No. 2429

JECFA No. 257

	JFFMA	JECFA	FCC
Chemical name	2-ethylbutyric acid	2-Ethylbutyric acid	2-Ethylbutyric Acid
Content (NLT)	98.0 % (GC)	98.0 %	98.0 % Chem(M-3b)
Refractive index	1.410-1.420 (n _{20D})	1.413 (n _{20D})	1.408-0.418 (n _{20D})
Specific gravity	0.922-0.928 (d _{20/20})	0.917-0.922 (d _{25/25})	0.917-0.922 (d _{25/25})
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements		Water: =<0.2% Dist. Range: 190° to 200°	Water 0.2% /KF
Identification*	IR : 1,2,3,5,6 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