

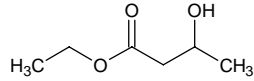
ethyl 3-hydroxybutyrate

エチル 3-ヒドロキシブチレート

Formula C₆H₁₂O₃

Mol. Wt. 132.16

CAS No. 5405-41-4



SEQ No. 781 エステル類

FEMA No. 3428

JECFA No. 594

	JFFMA	JECFA	FCC
Chemical name	ethyl 3-hydroxybutyrate	Ethyl 3-Hydroxybutyrate	
Content (NLT)	98.0 % (GC)	99 %	
Refractive index	1.418-1.424 (n _{20D})	1.416-1.424 (n _{20D})	
Specific gravity	1.011-1.017 (d _{20/20})	1.010-1.017 (d _{25/25})	
Acid value (NMT)	1.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR :3 MS :1,3,4,5 NMR :3,6	MS	

*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