

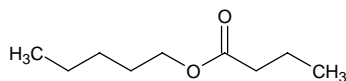
amyl butyrate

アミル ブチレート

Formula C₉H₁₈O₂

Mol. Wt. 158.24

CAS No. 540-18-1



SEQ No. 146 エステル類

FEMA No. 2059

JECFA No. 152

	JFFMA	JECFA	FCC
Chemical name	amyl butyrate	n-Amyl butyrate	Amyl Butyrate
Content (NLT)	98.0 % (GC)	98.0 %	98.0 % sum of isomers /GC(M-1b)
Refractive index	1.409-1.415 (n ₂₀ D)	1.409-1.414 (n ₂₀ D)	1.409-1.414 (n ₂₀ D)
Specific gravity	0.866-0.872 (d ₂₀ /20)	0.863-0.866 (d ₂₅ /25)	0.863-0.866 (d ₂₅ /25)
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR :1,3 MS :3,4,5 NMR :3,6	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