

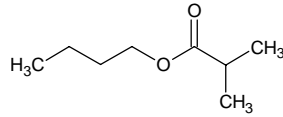
butyl isobutyrate

ブチル イソブチレート

Formula C₈H₁₆O₂

Mol. Wt. 144.21

CAS No. 97-87-0



SEQ No. 289 エステル類

FEMA No. 2188

JECFA No. 188

	JFFMA	JECFA	FCC
Chemical name	butyl isobutyrate	Butyl isobutyrate	Butyl Isobutyrate
Content (NLT)	97.0 % (GC)	97.0 %	97.0 % one isomer /GC(M-1b)
Refractive index	1.400-1.406 (n _{20D})	1.401-1.404 (n _{20D})	1.401-1.404 (n _{20D})
Specific gravity	0.861-0.867 (d _{20/20})	0.859-0.864 (d _{25/25})	0.859-0.864 (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 7 ml 60% alcohol	1 mL in 7 mL 60% alc
Other requirements			
Identification*	IR : 1,2,3,5 MS : 3,4,5 NMR : 3	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