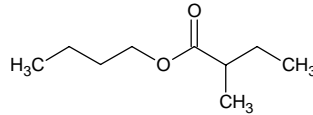


butyl 2-methylbutyrate

ブチル 2-メチルブチレート

Formula C₉H₁₈O₂

Mol. Wt. 158.24



CAS No. 15706-73-7

SEQ No. 269 エステル類

FEMA No. 3393

JECFA No. 207

	JFFMA	JECFA	FCC
Chemical name	butyl 2-methylbutyrate	n-Butyl 2-methylbutyrate	Butyl 2-Methyl Butyrate
Content (NLT)	98.0 % (GC)	95 %	98.0 % GC(M-1b)
Refractive index	1.407-1.413 (n _{20D})	1.402-1.500 (n _{20D})	1.407-1.413 (n _{20D})
Specific gravity	0.862-0.868 (d _{20/20})	0.856-0.866 (d _{25/25})	0.858-0.863 (d _{25/25})
Acid value (NMT)	1.0		1.0
Melting/Congeeing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1mL 95% ethanol
Other requirements			
Identification*	IR :1,2,6 MS :4,5 NMR :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