

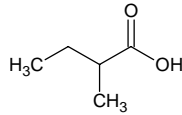
2-methylbutyric acid

2-メチルブチリック アシド

Formula C₅H₁₀O₂

Mol. Wt. 102.13

CAS No. 116-53-0



SEQ No. 1822 脂肪酸類

FEMA No. 2695

JECFA No. 255

	JFFMA	JECFA	FCC
Chemical name	2-methylbutyric acid	2-Methylbutyric acid	2-Methylbutyric Acid
Content (NLT)	98.0 % (GC)	98.0 %	98.0 % Chem(M-3a)
Refractive index	1.403-1.409 (n _{20D})	1.404-1.408 (n _{20D})	1.404-1.408 (n _{20D})
Specific gravity	0.935-0.941 (d _{20/20})	0.932-0.936 (d _{25/25})	0.932-0.936 (d _{25/25})
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 1 ml 95% alcohol	1 mL in 1 mL 95% alc
Other requirements			
Identification*	IR : 1,2,3,6 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