

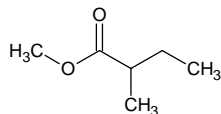
methyl 2-methylbutyrate

メチル 2-メチルブチレート

Formula C₆H₁₂O₂

Mol. Wt. 116.16

CAS No. 868-57-5



SEQ No. 1591 エステル類

FEMA No. 2719

JECFA No. 205

	JFFMA	JECFA	FCC
Chemical name	methyl 2-methylbutyrate	Methyl 2-methylbutyrate	Methyl 2-Methylbutyrate
Content (NLT)	98.0 % (GC)	92 %	92.0 % GC(M-1b)
Refractive index	1.392-1.398 (n _{20D})	1.393-1.397 (n _{20D})	1.393-1.397 (n _{20D})
Specific gravity	0.883-0.889 (d _{20/20})	0.879-0.883 (d _{25/25})	0.879-0.883 (d _{25/25})
Acid value (NMT)	1.0	2	2.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements		SC: Methyl isovalerate	
Identification*	IR :1,6 MS :4,5 NMR :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