

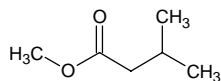
methyl isovalerate

メチル イソバレレート

Formula C₆H₁₂O₂

Mol. Wt. 116.16

CAS No. 556-24-1



SEQ No. 1668 エステル類

FEMA No. 2753

JECFA No. 195

	JFFMA	JECFA	FCC
Chemical name	methyl isovalerate	Methyl isovalerate	Methyl Isovalerate
Content (NLT)	98.0 % (GC)	98.0 %	95.0 % (M-1b)
Refractive index	1.390-1.396 (n _{20D})	1.413-1.416 (n _{20D})	1.390-1.396 (n _{20D})
Specific gravity	0.878-0.884 (d _{20/20})	0.852-0.857 (d _{25/25})	0.878-0.884 (d _{25/25})
Acid value (NMT)	1.0	2.0	1.0
Melting/Congeeing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR :1,2,3 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