

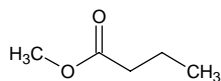
# methyl butyrate

## メチル ブチレート

Formula C<sub>5</sub>H<sub>10</sub>O<sub>2</sub>

Mol. Wt. 102.13

CAS No. 623-42-7



SEQ No. 1636 エステル類

FEMA No. 2693

JECFA No. 149

	JFFMA	JECFA	FCC
Chemical name	methyl butyrate	Methyl butyrate	Methyl Butyrate
Content (NLT)	98.0 % (GC)	98.0 %	98.0 % GC(M-1b)
Refractive index	1.384-1.390 (n <sub>20D</sub> )	1.386-1.39 (n <sub>20D</sub> )	1.386-1.390 (n <sub>20D</sub> )
Specific gravity	0.896-0.902 (d <sub>20/20</sub> )	0.892-0.897 (d <sub>25/25</sub> )	0.892-0.897 (d <sub>25/25</sub> )
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR :1,2,3,6 MS :3,4,5 NMR :3,6	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