

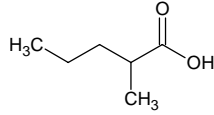
## 2-methylpentanoic acid

### 2-メチルペンタノイック アシド

Formula C<sub>6</sub>H<sub>12</sub>O<sub>2</sub>

Mol. Wt. 116.16

CAS No. 97-61-0



SEQ No. 1898 脂肪酸類

FEMA No. 2754

JECFA No. 261

	JFFMA	JECFA	FCC
Chemical name	2-methylpentanoic acid	2-Methylvaleric acid	2-Methylpentanoic Acid
Content (NLT)	95.0 % (GC)	98.0 %	98.0 % Chem(M-3a)
Refractive index	1.411-1.417 (n <sub>20D</sub> )	1.411-1.416 (n <sub>20D</sub> )	1.411-1.416 (n <sub>20D</sub> )
Specific gravity	0.921-0.931 (d <sub>20/20</sub> )	0.919-0.922 (d <sub>25/25</sub> )	0.916-0.923 (d <sub>25/25</sub> )
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 : 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