

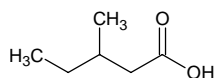
## 3-methylpentanoic acid

### 3-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. 105-43-1



SEQ No. 1727 脂肪酸類

FEMA No. 3437

JECFA No. 262

	JFFMA	JECFA	FCC
Chemical name	3-methylpentanoic acid	3-Methylpentanoic acid	
Content (NLT)	98.0 % (GC)	98.0 %	
Refractive index	1.412-1.418 (n <sub>20D</sub> )	1.412-1.418 (n <sub>20D</sub> )	
Specific gravity	0.925-0.931 (d <sub>20/20</sub> )	0.925-0.931 (d <sub>20/20</sub> )	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR : 1,3,5,6 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