

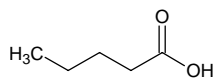
# valeric acid

## バレリック アシド

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

Mol. Wt. 102.13

CAS No. 109-52-4



SEQ No. 2483 脂肪酸類

FEMA No. 3101

JECFA No. 90

	JFFMA	JECFA	FCC
Chemical name	valeric acid	Valeric acid	Valeric Acid
Content (NLT)	98.0 % (GC)	99.0 %	99.0 % Chem(M-3b)
Refractive index	1.405-1.411 (n <sub>20D</sub> )	1.405-1.414 (25°C)	1.405-1.412 (n <sub>20D</sub> )
Specific gravity	0.937-0.943 (d <sub>20/20</sub> )	0.935-0.940 (d <sub>25/25</sub> )	0.935-0.940 (d <sub>25/25</sub> )
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR :1,2,3,6 MS :3,4,5 NMR :3,6	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