

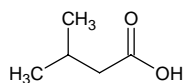
# isovaleric acid

## イソバレリックアシド

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

Mol. Wt. 102.13

CAS No. 503-74-2



SEQ No. 1451 脂肪酸類

FEMA No. 3102

JECFA No. 259

	JFFMA	JECFA	FCC
Chemical name	isovaleric acid	Isovaleric acid	Isovaleric Acid
Content (NLT)	98.0 % (GC)	99.0 %	99.0 % Chem(M-3a)
Refractive index	1.400-1.406 (n <sub>20D</sub> )	1.401-1.405 (n <sub>20D</sub> )	1.401-1.405 (n <sub>20D</sub> )
Specific gravity	0.925-0.931 (d <sub>20/20</sub> )	0.923-0.928 (d <sub>25/25</sub> )	0.923-0.928 (d <sub>25/25</sub> )
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR : 1,2,3,5,6 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