

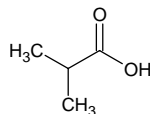
# isobutyric acid

## イソブチリック アシド

Formula C<sub>4</sub>H<sub>8</sub>O<sub>2</sub>

Mol. Wt. 88.11

CAS No. 79-31-2



SEQ No. 1377 脂肪酸類

FEMA No. 2222

JECFA No. 253

	JFFMA	JECFA	FCC
Chemical name	isobutyric acid	Isobutyric acid	Isobutyric Acid
Content (NLT)	98.0 % (GC)	99.0 %	99.0 % max. 101.1% of C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> /Chem(M-3a)
Refractive index	1.391-1.397 (n <sub>20</sub> D)	1.392-1.395 (n <sub>20</sub> D)	1.392-1.395 (n <sub>20</sub> D)
Specific gravity	0.947-0.953 (d <sub>20</sub> /20)	0.944-0.948 (d <sub>25</sub> /25)	0.944-0.948 (d <sub>25</sub> /25)
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements		Reducing Substances: passes test	Reducing Subs.-passes test (M-14)
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