

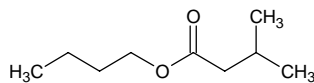
# butyl isovalerate

## ブチル イソバレレート

Formula C<sub>9</sub>H<sub>18</sub>O<sub>2</sub>

Mol. Wt. 158.24

CAS No. 109-19-3



SEQ No. 292 エステル類

FEMA No. 2218

JECFA No. 198

	JFFMA	JECFA	FCC
Chemical name	butyl isovalerate	Butyl isovalerate	Butyl Isovalerate
Content (NLT)	98.0 % (GC)	97.0 %	97.0 % one isomer /GC(M-1b)
Refractive index	1.406-1.412 (n <sub>20D</sub> )	1.407-1.411 (n <sub>20D</sub> )	1.407-1.411 (n <sub>20D</sub> )
Specific gravity	0.858-0.864 (d <sub>20/20</sub> )	0.856-0.859 (d <sub>25/25</sub> )	0.856-0.859 (d <sub>25/25</sub> )
Acid value (NMT)	1.0	1.0	1.0
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 : 3	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