

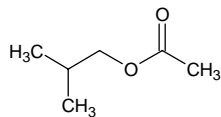
# isobutyl acetate

## イソブチル アセテート

Formula C<sub>6</sub>H<sub>12</sub>O<sub>2</sub>

Mol. Wt. 116.16

CAS No. 110-19-0



SEQ No. 1334 エステル類

FEMA No. 2175

JECFA No. 137

	JFFMA	JECFA	FCC
Chemical name	isobutyl acetate	Isobutyl acetate	Isobutyl Acetate
Content (NLT)	97.0 % (GC)	95.0 %	90.0 % GC(M-1b)
Refractive index	1.388-1.394 (n <sub>20D</sub> )	1.389-1.392 (n <sub>20D</sub> )	1.389-1.392 (n <sub>20D</sub> )
Specific gravity	0.870-0.876 (d <sub>20/20</sub> )	0.862-0.871 (d <sub>25/25</sub> )	0.862-0.871 (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% ethanol
Other requirements			
Identification*	IR :1,2,3 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