

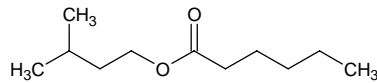
# isoamyl hexanoate

## イソアミル ヘキサノエート

Formula C<sub>11</sub>H<sub>22</sub>O<sub>2</sub>

Mol. Wt. 186.29

CAS No. 2198-61-0



SEQ No. 1299 エステル類

FEMA No. 2075

JECFA No. 46

	JFFMA	JECFA	FCC
Chemical name	isoamyl hexanoate	Isoamyl hexanoate	Isoamyl Hexanoate
Content (NLT)	98.0 % (GC)	98.0 %	98.0 % sum of 2-/3-methyl butyl, and n-pentyl isomers /GC(M-1b)
Refractive index	1.417-1.423 (n <sub>20D</sub> )	1.418-1.422 (n <sub>20D</sub> )	1.418-1.422 (n <sub>20D</sub> )
Specific gravity	0.859-0.865 (d <sub>20/20</sub> )	0.858-0.863 (d <sub>25/25</sub> )	0.858-0.863 (d <sub>25/25</sub> )
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1ml in 3ml 80% ethanol	1 mL in 3 mL 80% alc gives clear soln
Other requirements			
Identification*	IR : 1,2,3 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