

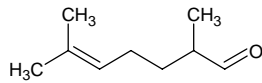
2,6-dimethyl-5-heptenal

2,6-ジメチル-5-ヘプテナル

Formula C₉H₁₆O

Mol. Wt. 140.22

CAS No. 106-72-9



SEQ No. 1498 脂肪族高級アルデヒド類

FEMA No. 2389

JECFA No. 349

	JFFMA	JECFA	FCC
Chemical name	2,6-dimethyl-5-heptenal	2,6-Dimethyl-5-heptenal	2,6-Dimethyl-5-heptenal
Content (NLT)	80.0 % (GC)	85 %	85.0 % Chem (M-2d; 1 g/14.01)
Refractive index	1.438-1.450 (n _{20D})	1.442-1.448 (n _{20D})	1.442-1.447 (n _{20D})
Specific gravity	0.849-0.861 (d _{20/20})	0.845-0.854 (d _{25/25})	0.848-0.854 (d _{25/25})
Acid value (NMT)	10.0	5	5.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 1 ml 95% alcohol; 1 ml in 2 ml 70% alcohol	1 mL in 1 mL 95% alc
Other requirements	SC:6-methyl-5-hepten-2-one 10-15%	SC: 6-methyl-5-hepten-2-one, 2,6 dimethyl-6-heptenal	
Identification*	IR :1,2,6 MS :4,5 NMR :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