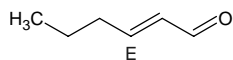


trans-2-hexenal

trans-2-ヘキセナル

Formula C₆H₁₀O



Mol. Wt. 98.14

CAS No. 6728-26-3

SEQ No. 1111 脂肪族高級アルデヒド類

FEMA No. 2560

JECFA No. 1353

	JFFMA	JECFA	FCC
Chemical name	trans-2-hexenal	2-Hexenal	(E)-2-Hexen-1-al
Content (NLT)	95.0 % (GC)	92 % sum of cis/trans isomers	92.0 % GC(M-1a)
Refractive index	1.440-1.451 (n ₂₀ D)	1.443-1.449 (n ₂₀ D)	1.445-1.449 (n ₂₀ D)
Specific gravity	0.840-0.854 (d ₂₀ /20)	0.841-0.848 (d ₂₅ /25)	0.841-0.850 (d ₂₅ /25)
Acid value (NMT)	10.0	10	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	1 mL in 1 mL 95% ethanol
Other requirements		SC: 2-Hexenoic acid	
Identification*	IR :3,6 MS :3,4,5 NMR :1,6	NMR	

*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