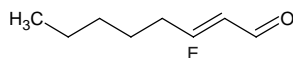


trans-2-octenal

trans-2-オクテナール

Formula C₈H₁₄O



Mol. Wt. 126.20

CAS No. 2548-87-0

SEQ No. 2032 脂肪族高級アルデヒド類

FEMA No. 3215

JECFA No. 1363

	JFFMA	JECFA	FCC
Chemical name	trans-2-octenal	2-Octenal	(E)-2-Octen-1-al
Content (NLT)	95.0 % (GC) sum of isomers	92 % sum of cis/trans isomers	92.0 % as (E)-isomer /GC(M-1a)
Refractive index	1.443-1.463 (n _{20D})	1.449-1.455 (n _{20D})	1.450-1.455 (n _{20D})
Specific gravity	0.835-0.862 (d _{20/20})	0.835-0.845 (d _{25/25})	0.830-0.850 (d _{25/25})
Acid value (NMT)	10.0	10	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements		SC: 2-Octenoic acid, ethyl octanoate	
Identification*	IR :1,3 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