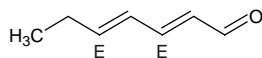


trans,trans-2,4-heptadienal

trans,trans-2,4-ヘプタジエナル

Formula C₇H₁₀O



Mol. Wt. 110.15

CAS No. 4313-03-5

SEQ No. 1026 脂肪族高級アルデヒド類

FEMA No. 3164

JECFA No. 1179

	JFFMA	JECFA	FCC
Chemical name	trans,trans-2,4-heptadienal	(E,E)-2,4-Heptadienal	(E),(E)-2,4-Heptadienal
Content (NLT)	92.0 % (GC) sum of isomers	92 %	92.0 % sum of isomers/GC(M-1a)
Refractive index	1.520-1.540 (n _{20D})	1.478-1.480 (n _{20D})	1.531-1.537 (n _{20D})
Specific gravity	0.880-0.900 (d _{20/20})	0.822-0.828 (d _{25/25})	0.878-0.888 (d _{25/25})
Acid value (NMT)	5.0	10	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		soluble	1 mL in 1 mL 95% ethanol
Other requirements		SC: (E,Z)-2,4-heptadienal, 2,4-heptadienoic acid	
Identification*	IR : 1,2,3,6 MS : 3,4,5 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