

2,4-decadienal

2,4-デカジエナール

Formula C₁₀H₁₆O 

Mol. Wt. 152.23

CAS No. 2363-88-4

SEQ No. 486 脂肪族高級アルデヒド類

FEMA No. 3135

JECFA No. 1190

	JFFMA	JECFA	FCC
Chemical name	2,4-decadienal	2-trans,4-trans-Decadienal	(E),(E)-2,4-Decadienal
Content (NLT)	90.0 % (GC)	89 %	89.0 % sum of two isomers/GC(M-1a)
Refractive index	1.513-1.523 (n _{20D})	1.512-1.517 (n _{20D})	1.514-1.519 (n _{20D})
Specific gravity	0.866-0.876 (d _{20/20})	0.866-0.876 (d _{25/25})	0.866-0.876 (d _{25/25})
Acid value (NMT)	10.0	1	
Melting/Congeeing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		soluble	1 mL in 1 mL 95% ethanol
Other requirements		SC: mixture of cis cis, cis trans, and trans cis 2,4-decadienals, acetone, isopropanol	
Identification*	IR :1,2 MS :4,5 NMR :	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