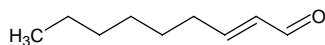


2-nonenal

2-ノネナル

Formula C₉H₁₆O



Mol. Wt. 140.22

CAS No. 2463-53-8

SEQ No. 1967 脂肪族高級アルデヒド類

FEMA No. 3213

JECFA No. 1362

	JFFMA	JECFA	FCC
Chemical name	2-nonenal	2-Nonenal	(E)-2-Nonenal
Content (NLT)	92.0 % (GC)	92 % sum of cis/trans isomers	92.0 % one major isomer GC(M-1a)
Refractive index	1.450-1.460 (n ₂₀ D)	1.454-1.460 (n ₂₀ D)	1.450-1.460 (n ₂₀ D)
Specific gravity	0.840-0.870 (d ₂₀ /20)	0.855-0.865 (d ₂₅ /25)	0.840-0.850 (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% alcohol
Other requirements		SC: 2-nonenoic acid	
Identification*	IR :1,6 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