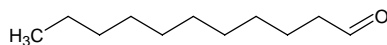


undecanal

ウンデカナル

Formula C₁₁H₂₂O



Mol. Wt. 170.29

CAS No. 112-44-7

SEQ No. 2453 脂肪族高級アルデヒド類

FEMA No. 3092

JECFA No. 107

	JFFMA	JECFA	FCC
Chemical name	undecanal	Undecanal	Undecanal
Content (NLT)	95.0 % (GC)	92 %	92.0 % GC(M-1b)
Refractive index	1.426-1.436 (n ₂₀ D)	1.430-1.435 (n ₂₀ D)	1.430-1.435 (n ₂₀ D)
Specific gravity	0.825-0.835 (d ₂₀ /20)	0.825-0.832 (d ₂₅ /25)	0.825-0.832 (d ₂₅ /25)
Acid value (NMT)	10.0	10	10.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 5 ml of 70% alcohol	
Other requirements		SC: 2-methyldecanal	
Identification*	IR : 1,2,3,5 MS : 3,4,5 NMR : 3	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