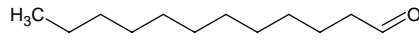


dodecanal

ドデカナル

Formula C₁₂H₂₄O



Mol. Wt. 184.32

CAS No. 112-54-9

SEQ No. 694 脂肪族高級アルデヒド類

FEMA No. 2615

JECFA No. 110

	JFFMA	JECFA	FCC
Chemical name	dodecanal	Lauric aldehyde	Lauryl Aldehyde
Content (NLT)	90.0 % (GC)	92 %	92.0 % GC(M-1b)
Refractive index	1.430-1.440 (n _{20D})	1.433-1.439 (n _{20D})	1.433-1.439 (n _{20D})
Specific gravity	0.826-0.836 (d _{20/20})	0.826-0.836 (d _{25/25})	0.826-0.836 (d _{25/25})
Acid value (NMT)	10.0	10.0	10.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 2 ml of 80% alcohol	
Other requirements		SC: tetradecanal, decanal, hexaecanal	
Identification*	IR : 1,2,5,6 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