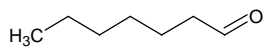


heptanal

ヘプタナール

Formula C₇H₁₄O



Mol. Wt. 114.19

CAS No. 111-71-7

SEQ No. 1030 脂肪族高級アルデヒド類

FEMA No. 2540

JECFA No. 95

	JFFMA	JECFA	FCC
Chemical name	heptanal	Heptanal	Heptanal
Content (NLT)	90.0 % (GC)	92 %	92.0 % GC(M-1b)
Refractive index	1.410-1.420 (n _{20D})	1.412-1.420 (n _{20D})	1.412-1.420 (n _{20D})
Specific gravity	0.816-0.826 (d _{20/20})	0.814-0.819 (d _{25/25})	0.815-0.820 (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 2 ml 70% alcohol	1 mL in 2 mL 70% alc gives clear soln
Other requirements		SC: 2-methylhexanal	
Identification*	IR : 1,2,3,6 MS : 3,4,5 NMR : 3,6	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