

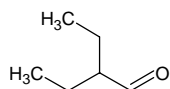
2-ethylbutanal

2-エチルブタナール

Formula C₆H₁₂O

Mol. Wt. 100.16

CAS No. 97-96-1



SEQ No. 905 脂肪族高級アルデヒド類

FEMA No. 2426

JECFA No. 256

	JFFMA	JECFA	FCC
Chemical name	2-ethylbutanal	2-Ethylbutyraldehyde	2-Ethylbutyraldehyde
Content (NLT)	95.0 % (GC)	95 %	95.0 % GC(M-1b)
Refractive index	1.398-1.408 (n _{20D})	1.400-1.405 (n _{20D})	1.398-0.404 (n _{20D})
Specific gravity	0.811-0.821 (d _{20/20})	0.808-0.814 (d _{25/25})	0.808-0.814 (d _{25/25})
Acid value (NMT)	5.0	2.0	2.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements		Dist. Range: >95% between 100° and 120°	
Identification*	IR : 1,3,5,6 MS : 3,4,5 NMR : 3,6	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