

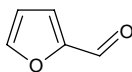
furfural

フルフラール

Formula C₅H₄O₂

Mol. Wt. 96.08

CAS No. 98-01-1



SEQ No. 961 フルフラール及びその誘導体

FEMA No. 2489

JECFA No. 450

	JFFMA	JECFA	FCC
Chemical name	furfural	Furfural	Furfural
Content (NLT)	95.0 % (GC)	95 %	96.0 % GC(M-1b)
Refractive index	1.520-1.530 (n _{20D})	1.521-1.529 (n _{20D})	1.522-1.528 (n _{20D})
Specific gravity	1.155-1.165 (d _{20/20})	1.153-1.162 (d _{25/25})	1.154-1.158 (d _{25/25})
Acid value (NMT)	3.0	3.0	1.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible	1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR : 1,2,3,5 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