

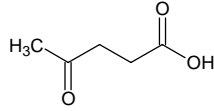
levulinic acid

レブリニック アシド

Formula C₅H₈O₃

Mol. Wt. 116.12

CAS No. 123-76-2



SEQ No. 1462 脂肪酸類

FEMA No. 2627

JECFA No. 606

	JFFMA	JECFA	FCC
Chemical name	levulinic acid	Levulinic acid	Levulinic Acid
Content (NLT)	97.0 % (Chem)	97 %	97.0 % Chem(M-3a)
Refractive index	1.439-1.445 (n _{20D})	1.439-1.445 (n _{20D})	1.440-1.445 (n _{20D})
Specific gravity	1.136-1.147 (d _{20/20})	1.136-1.147 (20°C)	1.136-1.142 (d _{25/25})
Acid value (NMT)			
Melting/Congeealing point		SP: 27°C	SP: min. 27°C
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 mL in 1 mL 95% alcohol	1 mL in 1 mL 95% alc
Other requirements			
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