

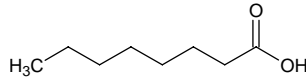
octanoic acid

オクタノイック アシド

Formula C₈H₁₆O₂

Mol. Wt. 144.21

CAS No. 124-07-2



SEQ No. 2019 脂肪酸類

FEMA No. 2799

JECFA No. 99

	JFFMA	JECFA	FCC
Chemical name	octanoic acid	Octanoic acid	Octanoic Acid
Content (NLT)	98.0 % (GC)	97 %	
Refractive index	1.425-1.431 (n _{20D})	1.423-1.429 (n _{20D})	
Specific gravity	0.908-0.914 (d _{20/20})	0.91 (d _{25/25})	about 0.910 (d _{25/25})
Acid value (NMT)		366-396	366-396
Melting/Congeealing point		SP: 8 to 15°C	SP: 8 to 17°C
Angular/Specific rotation			
Heavy metals (NMT)		10 mg/kg	Lead : 0.1mg/kg
Solubility in ethanol			
Other requirements		Water: < 0.4% Res. On Ignition: < 0.1% Iodine Value: < 2.0; Saponification Value: 366 to 398; Unsaponifiable Matter: < 0.2%	Water max. 0.4% Residue on Ignit. 0.1% Iodine Value:<2.0; Unsaponifiable Mater:<0.2%;
Identification*	IR :1,3,6 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