

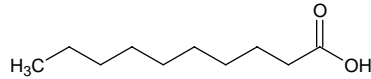
decanoic acid

デカノイック アシド

Formula C₁₀H₂₀O₂

Mol. Wt. 172.26

CAS No. 334-48-5



SEQ No. 495 脂肪酸類

FEMA No. 2364

JECFA No. 105

	JFFMA	JECFA	FCC
Chemical name	decanoic acid	Decanoic acid	Decanoic Acid
Content (NLT)	98.0 % (Chem)	98 %	
Refractive index			
Specific gravity			
Acid value (NMT)		320-329	320-329
Melting/Congeealing point	CP: 29 to 35°C	SP: 27 to 32°C	SP: 27 to 32°C
Angular/Specific rotation			
Heavy metals (NMT)		10 mg/kg	
Solubility in ethanol			
Other requirements		Water: < 0.2% Res. On Ignition: < 0.1% Iodine Value: < 0.6; Saponification Value: 320-331;Unsaponifiable Matter: < 0.2%	Water max. 0.2% Residue on Ignit. 0.1% Iodine Value:<0.6 (Appendix V II), Unsaponifiable Matter;<0.2% (Appendix V II)
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