

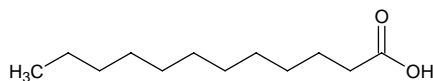
lauric acid

ラウリック アシド

Formula C₁₂H₂₄O₂

Mol. Wt. 200.32

CAS No. 143-07-7



SEQ No. 1457 脂肪酸類

FEMA No. 2614

JECFA No. 111

	JFFMA	JECFA	FCC
Chemical name	lauric acid	Lauric acid	Lauric acid
Content (NLT)	98.0 % (Chem)	90 %	
Refractive index			
Specific gravity			
Acid value (NMT)		252-287	252-287
Melting/Congeealing point	CP: 42 to 47°C	SP: 26 to 44°C	SP: 26 to 44°C
Angular/Specific rotation			
Heavy metals (NMT)			Lead : 0.1mg/kg
Solubility in ethanol			soluble in alcohol
Other requirements		Water: < 0.2% Saponification Value: 253 to 287; Unsaponifiable Matter: < 0.3%; SC: Myristic acid; Decanoic acid; Palmitic acid	Water < 0.2% Residue on Ignit. < 0.1% Iodin Value NMT 3.0, Saponification Value 253- 287, Unsaponifiable Matter NMT 0.3%
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