

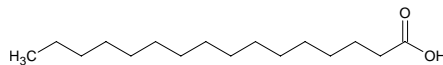
palmitic acid

パルミチック アシド

Formula C₁₆H₃₂O₂

Mol. Wt. 256.42

CAS No. 57-10-3



SEQ No. 2073 脂肪酸類

FEMA No. 2832

JECFA No. 115

	JFFMA	JECFA	FCC
Chemical name	palmitic acid	Palmitic acid	Palmitic Acid
Content (NLT)	98.0 % (Chem)	80 %	
Refractive index			
Specific gravity			
Acid value (NMT)		204-220	204-220
Melting/Congeeing point	CP: 58 to 65°C	SP: 53.3 to 62°C	SP: 53.3 to 62°C
Angular/Specific rotation			
Heavy metals (NMT)			Lead : 0.1mg/kg
Solubility in ethanol			
Other requirements		Water: <0.2% Saponification Value: 205 to 221; Unsaponifiable Matter: <1.5%; SC: Stearic acid; Myristic acid; Heptadecanoic acid; Pentadecanoic acid	Water max. 0.2% Residue on Ignit. 0.1% Iodine Value NMT 2.0, Saponification value 205- 221, Unsaponifiable Matter NMT 1.5%
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