

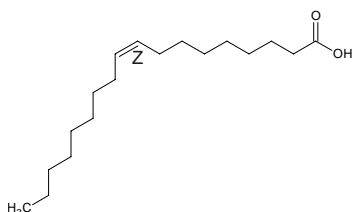
oleic acid

オレイック アシド

Formula C₁₈H₃₄O₂

Mol. Wt. 282.46

CAS No. 112-80-1



SEQ No. 2065 脂肪酸類

FEMA No. 2815

JECFA No. 333

	JFFMA	JECFA	FCC
Chemical name	oleic acid	Oleic Acid	Oleic Acid
Content (NLT)	97.0-104.0 % (Chem)	90 % min. 99% oleic, palmitic and other fatty acids	
Refractive index	1.455-1.465 (n _{20D})	1.46 (n _{20D})	
Specific gravity	0.889-0.899 (d _{20/20})	0.892-0.898 (d _{25/25})	about 0.895 (d _{25/25})
Acid value (NMT)			196-204
Melting/Congeeing point		MP: 13.4°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: ≤0.01% Saponification Value: 196-206; Unsaponifiable Matter: ≤2.0%	Water max. 0.4% Residue on Ignit. 0.01% Iodine Val. 83-103, Saponification Val. 196- 206 .Titer Not above 10° Unsaponifiable Matter more than 2.0%.
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