

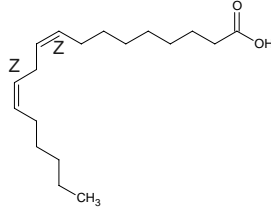
# linoleic acid

## リノレック アシド

Formula C<sub>18</sub>H<sub>32</sub>O<sub>2</sub>

Mol. Wt. 280.45

CAS No. 60-33-3



SEQ No. 1487 脂肪酸類

FEMA No. 3380

JECFA No. 332

	JFFMA	JECFA	FCC
Chemical name	linoleic acid	Linoleic and linolenic acid (mixture)	Linoleic Acid
Content (NLT)	98.0-102.0 % (Chem)	60 %	60.0 %
Refractive index	1.462-1.470 (n <sub>20D</sub> )	1.469-1.473 (n <sub>20D</sub> )	about 1.469 (n <sub>20D</sub> )
Specific gravity	0.898-0.905 (d <sub>20/20</sub> )	0.898-0.904 (d <sub>25/25</sub> )	about 0.901 (d <sub>25/25</sub> )
Acid value (NMT)			196-202
Melting/Congeealing point		MP: -5°C	MP: ca -5°C
Angular/Specific rotation			
Heavy metals (NMT)		Lead <10 mg/kg	Lead : 2mg/kg
Solubility in ethanol			
Other requirements		Water: =<0.5% Res. On Ignition: < 0.01%	Water max. 0.5% Residue on Ignit. 0.01% Iodine Value between 145 and 160(Appendix V II); Unsaponifiable Matter Not more than 2%(Appendix V II);
Identification*	IR :1,3,5,6 MS :3,4,5 NMR :1,3,6	IR, NMR	

### \*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