

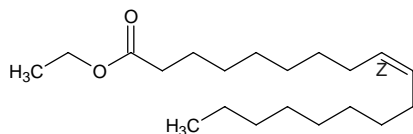
# ethyl oleate

## エチル オレート

Formula C<sub>20</sub>H<sub>38</sub>O<sub>2</sub>

Mol. Wt. 310.51

CAS No. 111-62-6



SEQ No. 861 エステル類

FEMA No. 2450

JECFA No. 345

	JFFMA	JECFA	FCC
Chemical name	ethyl oleate	Ethyl oleate	Ethyl Oleate
Content (NLT)	98.0-104.0 % (Chem)	99.0 %	Saponification Value between 175-190(Appendix VI)
Refractive index	1.447-1.455 (n <sub>20</sub> D)	1.448-1.453 (n <sub>20</sub> D)	1.448-1.453 (n <sub>20</sub> D)
Specific gravity	0.867-0.875 (d <sub>20</sub> /20)	0.868-0.873 (d <sub>25</sub> /25)	0.868-0.873 (d <sub>25</sub> /25)
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			1 mL in 1 mL 95% ethanol
Other requirements		Saponification Value: 175-190	Saponification Value 175-190
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