

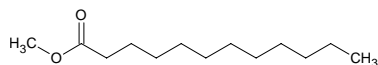
methyl laurate

メチル ラウレート

Formula C₁₃H₂₆O₂

Mol. Wt. 214.34

CAS No. 111-82-0



SEQ No. 1671 エステル類

FEMA No. 2715

JECFA No. 180

	JFFMA	JECFA	FCC
Chemical name	methyl laurate	Methyl laurate	
Content (NLT)	95.0 % (GC)	94 %	
Refractive index	1.427-1.437 (n _{20D})	1.430-1.438 (n _{20D})	
Specific gravity	0.865-0.875 (d _{20/20})	0.863-0.872 (d _{25/25})	
Acid value (NMT)	1.0		
Melting/Congeealing point		MP: 5°C	
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements		Saponification value >124.3; SC: methyl tetradecanoate, methyl decanoate, methyl hexadecanoate	
Identification*	IR : 1,3,6 MS : 3,4,5 NMR : 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