

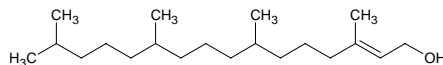
phytol

フィトール

Formula C₂₀H₄₀O

Mol. Wt. 296.53

CAS No. 150-86-7



SEQ No. 2173 脂肪族高級アルコール類

FEMA No. 4196

JECFA No. 1832

	JFFMA	JECFA	FCC
Chemical name	phytol	(E,Z)-Phytol	
Content (NLT)	95.0 % (GC)	95 % E-isomer 65% and Z-isomer 34%	
Refractive index	1.460-1.470 (n _{20D})	1.460-1.466 (n _{20D})	
Specific gravity	0.850-0.863 (d _{20/20})	0.847-0.863 (d _{25/25})	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR :3 MS :1,4,5 NMR :3,6	MS	

*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