

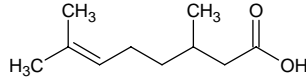
citronellic acid

シトロネリック アシド

Formula C₁₀H₁₈O₂

Mol. Wt. 170.25

CAS No. 502-47-6



SEQ No. 403 脂肪酸類

FEMA No. 3142

JECFA No. 1221

	JFFMA	JECFA	FCC
Chemical name	citronellic acid	3,7-Dimethyl-6-octenoic acid	
Content (NLT)	96.0 % (GC)	90 %	
Refractive index	1.449-1.459 (n _{20D})	1.455-1.462 (n _{20D})	
Specific gravity	0.920-0.930 (d ₂₀ /20)	0.920-0.926 (20°C)	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		soluble	
Other requirements		SC: citronellal; scetate esters of citronellol, nerol and geraniol; other terpenes	
Identification*	IR :6 MS :4,5 NMR :1,6	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