

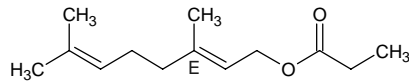
geranyl propionate

ゲラニル プロピオネート

Formula C₁₃H₂₂O₂

Mol. Wt. 210.31

CAS No. 105-90-8



SEQ No. 1010 エステル類

FEMA No. 2517

JECFA No. 62

	JFFMA	JECFA	FCC
Chemical name	geranyl propionate	Geranyl propionate	Geranyl Propionate
Content (NLT)	96.0 % (Chem)	92 % total esters	92.0 % total esters as C ₁₃ H ₂₂ O ₂ /Chem(Appendix VI; 1.6g/105.2)
Refractive index	1.456-1.466 (n _{20D})	1.456-1.464 (n _{20D})	1.456-1.464 (n _{20D})
Specific gravity	0.901-0.911 (d _{20/20})	0.896-0.913 (d _{25/25})	0.896-0.913 (d _{25/25})
Acid value (NMT)	1.0	1	1.0
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 4 ml 80% alcohol	1 mL in 4 mL 80% alc
Other requirements		SC: geraniol, nerol	
Identification*	IR : 1,2,3 MS : 4,5 NMR : 3	IR	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