

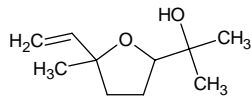
linalool oxide (furanoid)

リナロール オキシド(フラノイド)

Formula C₁₀H₁₈O₂

Mol. Wt. 170.25

CAS No. 60047-17-8



SEQ No. 1472 脂肪族高級アルコール類

FEMA No. 3746

JECFA No. 1454

	JFFMA	JECFA	FCC
Chemical name	linalool oxide (furanoid)	cis,trans-2-Methyl-2-vinyl-5-(2-hydroxy-2-propyl)tetrahydrofuran (linalool oxide)	Linalool Oxide
Content (NLT)	95.0 % (GC) sum of isomers	95 %	98.0 % sum of cis and trans isomers /GC(M-1b)
Refractive index	1.447-1.457 (n _{20D})	1.451-1.456 (n _{20D})	1.449-1.455 (n _{20D})
Specific gravity	0.940-0.950 (d _{20/20})	0.932-0.942 (d _{25/25})	0.940-0.947 (d _{25/25})
Acid value (NMT)		3.0	
Melting/Congealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR :2 MS : NMR :1	NMR	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