

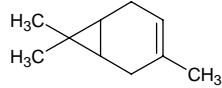
3-carene

3-カレン

Formula C₁₀H₁₆

Mol. Wt. 136.23

CAS No. 13466-78-9



SEQ No. 340 テルペン系炭化水素類

FEMA No. 3821

JECFA No. 1342

	JFFMA	JECFA	FCC
Chemical name	3-carene	d-3-Carene	
Content (NLT)	98.0 % (GC)	92 %	
Refractive index	1.471-1.477 (n _{20D})	1.468-1.478 (n _{20D})	
Specific gravity	0.854-0.860 (d _{20/20})	0.860-0.868 (d _{25/25})	
Acid value (NMT)		1.0	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Slightly soluble	
Other requirements		SC: beta-pinene, limonene, myrcene, p-cymene	
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