

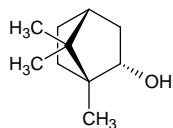
# borneol

## ボルネオール

Formula C<sub>10</sub>H<sub>18</sub>O

Mol. Wt. 154.25

CAS No. 507-70-0



SEQ No. 251 脂肪族高級アルコール類

FEMA No. 2157

JECFA No. 1385

	JFFMA	JECFA	FCC
Chemical name	borneol	Borneol	Borneol
Content (NLT)	95.0 % (GC)	97 %	97.0 % GC(M-1b)
Refractive index			
Specific gravity			
Acid value (NMT)			
Melting/Congeeing point	MP: 200 to 210°C	MP: 202°C	MP: min. 202°C
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	1 g in 2 mL 95% ethanol
Other requirements		Minimum assay value may include isoborneol and other isomers of borneol as well as trace amounts of fenchyl alcohol and other C <sub>10</sub> H <sub>18</sub> O compounds	
Identification*	IR : 1,2,3,5,6 MS : 4,5 NMR :	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