

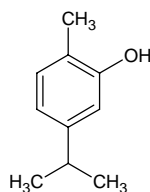
# carvacrol

## カルバクロール

Formula C<sub>10</sub>H<sub>14</sub>O

Mol. Wt. 150.22

CAS No. 499-75-2



SEQ No. 341 フェノール類

FEMA No. 2245

JECFA No. 710

	JFFMA	JECFA	FCC
Chemical name	carvacrol	Carvacrol	Carvacrol
Content (NLT)	95.0 % (GC)	98 %	98.0 % GC(M-1b)
Refractive index	1.518-1.528 (n <sub>20D</sub> )	1.521-1.528 (n <sub>20D</sub> )	1.521-1.526 (n <sub>20D</sub> )
Specific gravity	0.974-0.984 (d <sub>20/20</sub> )	0.974-0.979 (d <sub>25/25</sub> )	0.974-0.980 (d <sub>25/25</sub> )
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			AR: -130 to -117°
Heavy metals (NMT)			
Solubility in ethanol		miscible	1 mL in 4 mL 60% alc gives clear soln
Other requirements			
Identification*	IR : 1,2,3,6 MS : 3,4,5 NMR : 3,6	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