

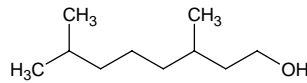
# 3,7-dimethyloctanol

## 3,7-ジメチルオクタノール

Formula C<sub>10</sub>H<sub>22</sub>O

Mol. Wt. 158.28

CAS No. 106-21-8



SEQ No. 2359 脂肪族高級アルコール類

FEMA No. 2391

JECFA No. 272

	JFFMA	JECFA	FCC
Chemical name	3,7-dimethyloctanol	3,7-Dimethyl-1-octanol	3,7-Dimethyl-1-octanol
Content (NLT)	97.0 % (GC)	90 %	90.0 % total alcohols as C <sub>10</sub> H <sub>22</sub> O /Chem(AppendiXVI; 1.2 g/79.15)
Refractive index	1.431-1.441 (n <sub>20D</sub> )	1.435-1.445 (n <sub>20D</sub> )	1.435-1.445 (n <sub>20D</sub> )
Specific gravity	0.826-0.836 (d <sub>20/20</sub> )	0.826-0.842 (d <sub>25/25</sub> )	0.826-0.842 (d <sub>25/25</sub> )
Acid value (NMT)		1.0	1.0
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 ml in 3 ml 70% alcohol	1 mL in 3 mL 70% alc
Other requirements		SC: geraniol, citronellol	
Identification*	IR : 1,2,3,5,6 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