

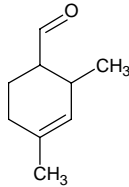
# 2,4-dimethyl-3-cyclohexenylcarbaldehyde

## 2,4-ジメチル-3-シクロヘキセニルカルバルデヒド

Formula C<sub>9</sub>H<sub>14</sub>O

Mol. Wt. 138.21

CAS No. 68039-49-6



SEQ No. 2825 脂肪族高級アルデヒド類

FEMA No. 4505

JECFA No. 1900

	JFFMA	JECFA	FCC
Chemical name	2,4-dimethyl-3-cyclohexenylcarbaldehyde	Mixture of 2,4-, 3,5- and 3,6-Dimethyl-3-cyclohexenylcarbaldehyde	
Content (NLT)	98.0 % (GC) sum of 2,4- and 3,5-	95 % sum of isomers	
Refractive index	1.469-1.475 (n <sub>20D</sub> )	1.469-1.475 (n <sub>20D</sub> )	
Specific gravity	0.933-0.939 (d <sub>20/20</sub> )	0.932-0.940 (20°C)	
Acid value (NMT)	5.0	5	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements		Mixture of 70-71% 2,4-Dimethyl-3-cyclohexenylcarbaldehyde; 23-24% 3,5-Dimethyl-3-cyclohexenylcarbaldehyde; and 3-5% 3,6-Dimethyl-3-cyclohexenylcarbaldehyde	
Identification*	IR :3 MS :1,3,4 NMR :3	MS	

### \*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