

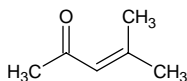
4-methyl-3-penten-2-one

4-メチル-3-ペンテン-2-オン

Formula C₆H₁₀O

Mol. Wt. 98.14

CAS No. 141-79-7



SEQ No. 1548 ケトン類

FEMA No. 3368

JECFA No. 1131

	JFFMA	JECFA	FCC
Chemical name	4-methyl-3-penten-2-one	4-Methyl-3-penten-2-one	
Content (NLT)	90.0 % (GC)	95 %	
Refractive index	1.439-1.449 (n _{20D})	1.442-1.447 (n _{20D})	
Specific gravity	0.851-0.861 (d _{20/20})	0.862-0.868 (d _{25/25})	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Miscible at room temperature	
Other requirements			
Identification*	IR : 3,5,6 MS : 3,4,5 NMR : 1,3,6	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