

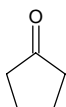
# cyclopentanone

## シクロペンタノン

Formula C<sub>5</sub>H<sub>8</sub>O

Mol. Wt. 84.12

CAS No. 120-92-3



SEQ No. 472 ケトン類

FEMA No. 3910

JECFA No. 1101

	JFFMA	JECFA	FCC
Chemical name	cyclopentanone	Cyclopentanone	
Content (NLT)	98.0 % (GC)	99 %	
Refractive index	1.434-1.440 (n <sub>20D</sub> )	1.432-1.438 (n <sub>20D</sub> )	
Specific gravity	0.948-0.958 (d <sub>20/20</sub> )	0.950-0.960 (d <sub>25/25</sub> )	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Miscible at room temperature	
Other requirements			
Identification*	IR : 1,3,5,6 MS : 1,4,5 NMR : 1,3,6	MS IR 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