

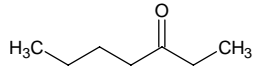
# 3-heptanone

## 3-ヘプタノン

Formula C<sub>7</sub>H<sub>14</sub>O

Mol. Wt. 114.19

CAS No. 106-35-4



SEQ No. 821 ケトン類

FEMA No. 2545

JECFA No. 285

	JFFMA	JECFA	FCC
Chemical name	3-heptanone	3-Heptanone	3-Heptanone
Content (NLT)	97.0 % (GC)	97.0 %	97.0 % GC(M-1b)
Refractive index	1.404-1.411 (n <sub>20D</sub> )	1.404-1.411 (n <sub>20D</sub> )	1.404-1.411 (n <sub>20D</sub> )
Specific gravity	0.813-0.825 (d <sub>20/20</sub> )	0.813-0.818 (d <sub>25/25</sub> )	0.813-0.818 (d <sub>25/25</sub> )
Acid value (NMT)		2.0	2.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements		Water: =<0.3%	Water max 0.3% /KF
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