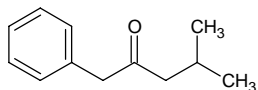


# 4-methyl-1-phenyl-2-pentanone

## 4-メチル-1-フェニル-2-ペンタノン

Formula C<sub>12</sub>H<sub>16</sub>O

Mol. Wt. 176.25



CAS No. 5349-62-2

SEQ No. 226 ケトン類

FEMA No. 2740

JECFA No. 828

	JFFMA	JECFA	FCC
Chemical name	4-methyl-1-phenyl-2-pentanone	Methyl-1-phenyl-2-pentanone	
Content (NLT)	98.0 % (GC)	98 %	
Refractive index	1.500-1.510 (n <sub>20D</sub> )	1.500-1.510 (n <sub>20D</sub> )	
Specific gravity	0.940-0.949 (d <sub>25/25</sub> )	0.940-0.949 (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 : 1,3,6 MS : 3,4,5 NMR : 3,6	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