

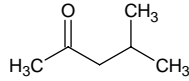
4-methyl-2-pentanone

4-メチル-2-ペンタノン

Formula C₆H₁₂O

Mol. Wt. 100.16

CAS No. 108-10-1



SEQ No. 1663 ケトン類

FEMA No. 2731

JECFA No. 301

| | JFFMA | JECFA | FCC |
|---------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| Chemical name | 4-methyl-2-pentanone | 4-Methyl-2-pentanone | 4-Methyl-2-pentanone |
| Content (NLT) | 98.0 % (GC) | 99.0 % | 99.0 % Chem(M-2d) |
| Refractive index | 1.390-1.400 (n _{20D}) | 1.391-1.396 (n _{20D}) | 1.392-1.397 (n _{20D}) |
| Specific gravity | 0.797-0.807 (d _{20/20}) | 0.796-0.799 (d _{25/25}) | 0.796-0.799 (d _{25/25}) |
| Acid value (NMT) | | 2.0 | 2.0 |
| Melting/Congeealing point | | | |
| Angular/Specific rotation | | | |
| Heavy metals (NMT) | | | |
| Solubility in ethanol | | | |
| Other requirements | | Water: =<0.1% | Water max. 0.1% |
| 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