

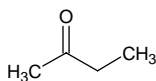
2-butanone

2-ブタンオン

Formula C₄H₈O

Mol. Wt. 72.11

CAS No. 78-93-3



SEQ No. 1648 ケトン類

FEMA No. 2170

JECFA No. 278

	JFFMA	JECFA	FCC
Chemical name	2-butanone	2-Butanone	2-Butanone
Content (NLT)	98.0 % (GC)	99.5 %	99.5 % GC(M-1b)
Refractive index	1.376-1.382 (n _{20D})	1.375-1.384 (n _{20D})	1.375-1.384 (n _{20D})
Specific gravity	0.803-0.810 (d _{20/20})	0.801-0.803 (d _{25/25})	0.801-0.803 (d _{25/25})
Acid value (NMT)		2.0	2.0 (M-15)
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements		Water: =<0.2% Distillation range: within 1.5°	Water max. 0.2% /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