

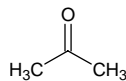
acetone

アセトン

Formula C₃H₆O

Mol. Wt. 58.08

CAS No. 67-64-1



SEQ No. 45 ケトン類

FEMA No. 3326

JECFA No. 139

	JFFMA	JECFA	FCC
Chemical name	acetone	Acetone	
Content (NLT)	99.0 % (GC)	99.5 %	
Refractive index	1.356–1.362 (n _{20D})	1.356–1.360 (n _{20D})	
Specific gravity	0.790–0.795 (d _{20/20})	0.790–0.793 (20°C)	
Acid value (NMT)		0.002	
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)		Lead: <1 mg/kg	
Solubility in ethanol			
Other requirements		Water=<0.5% Nonvolatile Res.: =<0.001%; Aldehydes: =<0.002%; Distillation Range: 55.1– 57.1° C; Methanol: =<0.05%; Phenols: =<0.001%	
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