

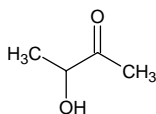
acetoin

アセトイン

Formula C₄H₈O₂

Mol. Wt. 88.11

CAS No. 513-86-0



SEQ No. 40 ケトン類

FEMA No. 2008

JECFA No. 405

	JFFMA	JECFA	FCC
Chemical name	acetoin	Acetoin	Acetoin(monomer)
Content (NLT)	95.0 % (GC)	96.0 %	96.0 % GC(M-1b)
Refractive index	1.414-1.424 (n _{20D})	1.417-1.420 (n _{20D})	1.417-1.422 (n _{20D})
Specific gravity	0.997-1.014 (d _{20/20})	1.005-1.019 (d _{25/25})	0.995-1.019 (d _{25/25})
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR :1,2,3,6 MS :3,4,5 NMR :3	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