

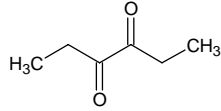
3,4-hexanedione

3,4-ヘキサンジオン

Formula C₆H₁₀O₂

Mol. Wt. 114.14

CAS No. 4437-51-8



SEQ No. 1082 ケトン類

FEMA No. 3168

JECFA No. 413

	JFFMA	JECFA	FCC
Chemical name	3,4-hexanedione	3,4-Hexanedione	
Content (NLT)	90.0 % (GC)	97.0 %	
Refractive index	1.407-1.417 (n _{20D})	1.408-1.413 (n _{20D})	
Specific gravity	0.940-0.950 (d ₂₀ /20)	0.941-0.950 (20°C)	
Acid value (NMT)			
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR : 1,3,5 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