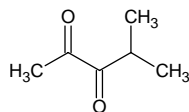


4-methyl-2,3-pentanedione

4-メチル-2,3-ペンタンジオン

Formula C₆H₁₀O₂

Mol. Wt. 114.14



CAS No. 7493-58-5

SEQ No. 56 ケトン類

FEMA No. 2730

JECFA No. 411

	JFFMA	JECFA	FCC
Chemical name	4-methyl-2,3-pentanedione	4-Methyl-2,3-pentanedione	
Content (NLT)	95.0 % (GC)	96 %	
Refractive index	1.397-1.407 (n _{20D})	1.397-1.405 (n _{20D})	
Specific gravity	0.921-0.925 (d _{20/20})	0.941-0.950 (20°C)	
Acid value (NMT)			
Melting/Congeealing point		MP: -2.4°C	
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR : MS : 1,4,5 NMR :	MS	

*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