

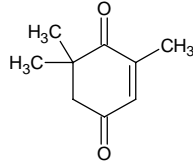
4-oxoisophorone

4-オキソイソホロン

Formula C₉H₁₂O₂

Mol. Wt. 152.19

CAS No. 1125-21-9



SEQ No. 2071 ケトン類

FEMA No. 3421

JECFA No. 1857

	JFFMA	JECFA	FCC
Chemical name	4-oxoisophorone	2,6,6-Trimethylcyclohex-2-ene-1,4-dione	
Content (NLT)	98.0 % (GC)	98 %	
Refractive index	1.487-1.497 (n _{20D})		
Specific gravity	1.030-1.040 (d _{20/20})		
Acid value (NMT)			
Melting/Congeealing point	MP: 22 to 26°C	MP: 23 to 28°C	
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements	屈折率・比重は参考値		
Identification*	IR :1 MS :4,5 NMR :1	NMR 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