

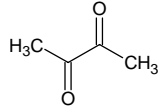
diacetyl

ジアセチル

Formula C₄H₆O₂

Mol. Wt. 86.09

CAS No. 431-03-8



SEQ No. 533 ケトン類

FEMA No. 2370

JECFA No. 408

	JFFMA	JECFA	FCC
Chemical name	diacetyl	Diacetyl	Diacetyl
Content (NLT)	95.0 % (GC)	95.0 %	95.0 % GC(M-1b)
Refractive index	1.390-1.400 (n _{20D})	1.393-1.397 (n _{20D})	1.393-1.397 (n _{20D})
Specific gravity	0.980-0.990 (d _{20/20})	0.975-0.990 (d _{25/25})	0.979-0.985 (d _{25/25})
Acid value (NMT)			
Melting/Congeeing point		SP: -2.0 to -4.0°C	SP: -4.0 to -2.0°C
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR : 1,2,3,6 MS : 3,4,5 NMR : 3,6	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