

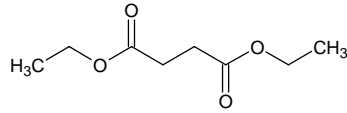
diethyl succinate

ジエチル サクシネート

Formula C₈H₁₄O₄

Mol. Wt. 174.19

CAS No. 123-25-1



SEQ No. 555 エステル類

FEMA No. 2377

JECFA No. 617

	JFFMA	JECFA	FCC
Chemical name	diethyl succinate	Diethyl succinate	Diethyl Succinate
Content (NLT)	98.0 % (GC)	98 %	99.0 % GC(M-1a)
Refractive index	1.417-1.423 (n _{20D})	1.418-1.423 (n _{20D})	1.036-1.040 (n _{20D})
Specific gravity	1.040-1.046 (d _{20/20})	1.031-1.041 (d _{25/25})	1.419-1.423 (d _{25/25})
Acid value (NMT)	1.0	2	2.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements		Water: max. 0.05% Diethyl maleate: max. 0.03%	Water max. 0.05% /KF Diethyl maleate 0.03% /GC(M-1b)
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