

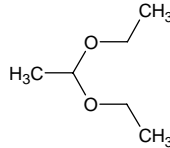
acetaldehyde diethyl acetal

アセトアルデヒド ジエチル アセタール

Formula C₆H₁₄O₂

Mol. Wt. 118.17

CAS No. 105-57-7



SEQ No. 17 エーテル類

FEMA No. 2002

JECFA No. 941

	JFFMA	JECFA	FCC
Chemical name	acetaldehyde diethyl acetal	Acetal	Acetaldehyde Diethyl Acetal
Content (NLT)	95.0 % (GC)	95 %	97.0 % GC(M-1b)
Refractive index	1.377-1.387 (n _{20D})	1.378-1.386 (n _{20D})	1.379-1.384 (n _{20D})
Specific gravity	0.823-0.833 (d _{20/20})	0.822-0.831 (d _{25/25})	0.821-0.827 (d _{25/25})
Acid value (NMT)	1.0	1.0	
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible	1 mL in 1mL 95% 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