

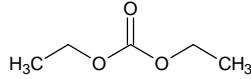
diethyl carbonate

ジエチル カーボネート

Formula C₅H₁₀O₃

Mol. Wt. 118.13

CAS No. 105-58-8



SEQ No. 546 エステル類

FEMA No.

JECFA No.

	JFFMA	JECFA	FCC
Chemical name	diethyl carbonate		
Content (NLT)	98.0 % (GC)		
Refractive index	1.380-1.390 (n _{20D})		
Specific gravity	0.970-0.980 (d _{20/20})		
Acid value (NMT)	1.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR : 3,6 MS : 3,4,5 NMR : 3,6		

*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