

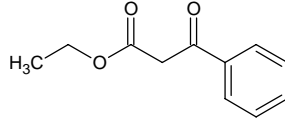
ethyl benzoylacetate

エチル ベンゾイルアセテート

Formula C₁₁H₁₂O₃

Mol. Wt. 192.21

CAS No. 94-02-0



SEQ No. 818 エステル類

FEMA No. 2423

JECFA No. 834

	JFFMA	JECFA	FCC
Chemical name	ethyl benzoylacetate	Ethyl benzoylacetate	Ethyl Benzoyl Acetate
Content (NLT)	92.0 % (GC)	88 %	88.0 % GC(M-1b)
Refractive index	1.524-1.534 (n _{20D})	1.524-1.533 (n _{20D})	1.528-1.533 (n _{20D})
Specific gravity	1.107-1.120 (d _{20/20})	1.107-1.120 (d _{25/25})	1.107-1.120 (d _{25/25})
Acid value (NMT)	1.0	2.0	2.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible at room temperature	
Other requirements		Combined assay (named cpd + ethyl benzoate): 96%	
Identification*	IR : 1,3,6 MS : 3,4,5 NMR : 3	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