

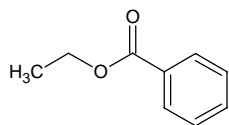
ethyl benzoate

エチル ベンゾエート

Formula C₉H₁₀O₂

Mol. Wt. 150.17

CAS No. 93-89-0



SEQ No. 817 エステル類

FEMA No. 2422

JECFA No. 852

| | JFFMA | JECFA | FCC |
|---------------------------|---|-----------------------------------|------------------------------------|
| Chemical name | ethyl benzoate | Ethyl benzoate | Ethyl Benzoate |
| Content (NLT) | 98.0 % (GC) | 98 % | 98.0 % GC(M-1b) |
| Refractive index | 1.502-1.508 (n _{20D}) | 1.502-1.508 (n _{20D}) | 1.502-1.506 (n _{20D}) |
| Specific gravity | 1.045-1.051 (d _{20/20}) | 1.043-1.050 (d _{25/25}) | 1.043-1.046 (d _{25/25}) |
| Acid value (NMT) | 1.0 | 1.0 | 1.0 |
| Melting/Congeealing point | | | |
| Angular/Specific rotation | | | |
| Heavy metals (NMT) | | | |
| Solubility in ethanol | | miscible at room temperature | 1 mL in 6 mL 60% alc |
| Other requirements | | | Chlorinated Cmpds.- passes test |
| 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