

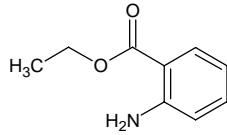
ethyl anthranilate

エチル アンスラニレート

Formula C₉H₁₁NO₂

Mol. Wt. 165.19

CAS No. 87-25-2



SEQ No. 816 エステル類

FEMA No. 2421

JECFA No. 1535

	JFFMA	JECFA	FCC
Chemical name	ethyl anthranilate	Ethyl anthranilate	Ethyl Anthranilate
Content (NLT)	96.0 % (GC)	96 %	96.0 % total esters as C ₉ H ₁₁ NO ₂ /Chem(Appendix VI; 1.5 g/ 82.6)
Refractive index	1.560–1.570 (n _{20D})	1.563–1.566 (n _{20D})	1.563–1.566 (n _{20D})
Specific gravity	1.116–1.126 (d _{20/20})	1.115–1.120 (d _{25/25})	1.115–1.120 (d _{25/25})
Acid value (NMT)	1.0	1	1.0
Melting/Congeealing point			SP: NLT 13°C
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	1 mL in 2 mL 70% alc
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