

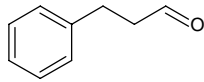
3-phenylpropanal

3-フェニルプロパナル

Formula C₉H₁₀O

Mol. Wt. 134.18

CAS No. 104-53-0



SEQ No. 578 芳香族アルデヒド類

FEMA No. 2887

JECFA No. 645

	JFFMA	JECFA	FCC
Chemical name	3-phenylpropanal	3-Phenylpropion aldehyde	3-Phenylpropionaldehyde
Content (NLT)	90.0 % (GC)	95 %	90.0 % aldehydes /GC(M-1b)
Refractive index	1.518-1.528 (n _{20D})	1.518-1.528 (n _{20D})	1.520-1.532 (n _{20D})
Specific gravity	1.012-1.022 (d _{20/20})	1.008-1.018 (d _{25/25})	1.010-1.020 (d _{25/25})
Acid value (NMT)	10.0	5.0	10.0
Melting/Congeaing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible	1 mL in 7 mL 60% alc remains clear on dilution
Other requirements			Chlorinated Cmpds. - passes test
Identification*	IR :1,2,3 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