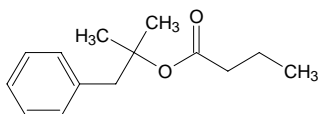


2-methyl-1-phenyl-2-propyl butyrate

2-メチル-1-フェニル-2-プロピル ブチレート

Formula C₁₄H₂₀O₂

Mol. Wt. 220.31



CAS No. 10094-34-5

SEQ No. 613 エステル類

FEMA No. 2394

JECFA No. 1656

	JFFMA	JECFA	FCC
Chemical name	2-methyl-1-phenyl-2-propyl butyrate	alpha,alpha-Dimethylphenethyl butyrate	Dimethyl Benzyl Carbinyol Butyrate
Content (NLT)	98.0 % (GC)	95 %	95.0 % GC(M-1b)
Refractive index	1.483-1.489 (n _{20D})	1.484-1.489 (n _{20D})	1.484-1.489 (n _{20D})
Specific gravity	0.972-0.978 (d _{20/20})	0.960-0.971 (d _{25/25})	0.960-0.981 (d _{25/25})
Acid value (NMT)	1.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	1 mL in 1 mL 95% ethanol
Other requirements			
Identification*	IR :2 MS :4,5 NMR :1	HNMR	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