

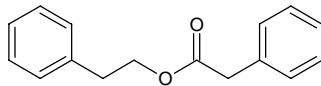
# phenethyl phenylacetate

## フェネチル フェニルアセテート

Formula C<sub>16</sub>H<sub>16</sub>O<sub>2</sub>

Mol. Wt. 240.30

CAS No. 102-20-5



SEQ No. 2120 エステル類

FEMA No. 2866

JECFA No. 999

	JFFMA	JECFA	FCC
Chemical name	phenethyl phenylacetate	Phenethyl phenylacetate	Phenethyl Phenylacetate
Content (NLT)	98.0 % (GC)	98 %	98.0 % GC(M-1b)
Refractive index		1.545-1.551 (n <sub>20D</sub> )	1.548-1.552 (n <sub>20D</sub> )
Specific gravity		1.079-1.082 (d <sub>25/25</sub> )	1.079-1.082 (d <sub>25/25</sub> )
Acid value (NMT)	1.0	1.0	1.0
Melting/Congeealing point	CP: 26 to 31°C	MP: 28°C	SP: NLT 26°C
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		1 mL in 4 mL 90% ethanol	1 mL in 4 mL 90% alc gives clear soln
Other requirements			
Identification*	IR : 1,2,3 MS : 3,4,5 NMR : 3	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