

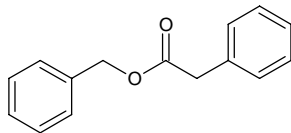
# benzyl phenylacetate

## ベンジル フェニルアセテート

Formula C<sub>15</sub>H<sub>14</sub>O<sub>2</sub>

Mol. Wt. 226.27

CAS No. 102-16-9



SEQ No. 239 エステル類

FEMA No. 2149

JECFA No. 849

	JFFMA	JECFA	FCC
Chemical name	benzyl phenylacetate	Benzyl phenylacetate	Benzyl Phenylacetate
Content (NLT)	98.0 % (GC)	98 %	98.0 % GC(M-1b)
Refractive index	1.553-1.559 (n <sub>20D</sub> )	1.552-1.560 (n <sub>20D</sub> )	1.553-1.558 (n <sub>20D</sub> )
Specific gravity	1.098-1.104 (d <sub>20/20</sub> )	1.094-1.100 (d <sub>25/25</sub> )	1.095-1.099 (d <sub>25/25</sub> )
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 3 mL 90% alc gives clear soln
Other requirements			
Identification*	IR : 1,2,3,5 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