

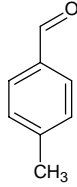
# 4-methylbenzaldehyde

## 4-メチルベンズアルデヒド

Formula C<sub>8</sub>H<sub>8</sub>O

Mol. Wt. 120.15

CAS No. 104-87-0



SEQ No. 2395 芳香族アルデヒド類

FEMA No. 3068

JECFA No. 866

	JFFMA	JECFA	FCC
Chemical name	4-methylbenzaldehyde	Tolualdehydes (mixed o,m,p)	p-Tolualdehyde
Content (NLT)	95.0 % (GC)	95 % sum of o,m,p- isomers	94.0 % Mixed Isomers, sum of three isomers GC(M-1b)
Refractive index	1.541-1.551 (n <sub>20D</sub> )	1.540-1.549 (n <sub>20D</sub> )	1.540-1.548 (n <sub>20D</sub> )
Specific gravity	1.013-1.023 (d <sub>20/20</sub> )	1.013-1.029 (d <sub>25/25</sub> )	1.019-1.029 (d <sub>25/25</sub> )
Acid value (NMT)	10.0	10.0	5.0
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		miscible at room temperature	1 mL in 1 mL 95% alc
Other requirements			
Identification*	IR : 1,2(mix),3,6 MS : 3,5 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