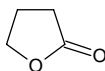


# gamma-butyrolactone

## γ-ブチロラクトン

Formula C<sub>4</sub>H<sub>6</sub>O<sub>2</sub>



Mol. Wt. 86.09

CAS No. 96-48-0

SEQ No. 331 ラクトン類

FEMA No. 3291

JECFA No. 219

	JFFMA	JECFA	FCC
Chemical name	gamma-butyrolactone	4-Hydroxybutyric acid lactone	γ-Butyrolactone
Content (NLT)	95.0 % (GC)	98.0 %	98.0 % GC(M-1a)
Refractive index	1.432-1.442 (n <sub>20</sub> D)	1.434-1.454 (25°C)	1.430-1.440 (n <sub>20</sub> D)
Specific gravity	1.125-1.135 (d <sub>20</sub> /20)	1.120-1.130 (d <sub>25</sub> /25)	1.120-1.130 (d <sub>25</sub> /25)
Acid value (NMT)	3.0		
Melting/Congeeing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR : 1,2,3,5,6 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