

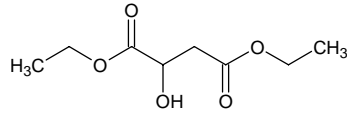
# diethyl malate

## ジエチル マレート

Formula C<sub>8</sub>H<sub>14</sub>O<sub>5</sub>

Mol. Wt. 190.19

CAS No. 7554-12-3



SEQ No. 550 エステル類

FEMA No. 2374

JECFA No. 620

	JFFMA	JECFA	FCC
Chemical name	diethyl malate	Diethyl malate	
Content (NLT)	98.0 % (GC)	99 %	
Refractive index	1.433-1.439 (n <sub>20D</sub> )	1.436-1.446 (n <sub>20D</sub> )	
Specific gravity	1.126-1.132 (d <sub>20/20</sub> )	1.120-1.128 (d <sub>25/25</sub> )	
Acid value (NMT)	3.0		
Melting/Congeealing point			
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol			
Other requirements			
Identification*	IR : MS :1,4 NMR :	MS	

### \*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