

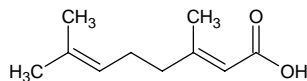
# geranic acid

## ゲラニック アシド

Formula C<sub>10</sub>H<sub>16</sub>O<sub>2</sub>

Mol. Wt. 168.23

CAS No. 4698-08-2



SEQ No. 993 脂肪酸類

FEMA No. 4121

JECFA No. 1825

	JFFMA	JECFA	FCC
Chemical name	geranic acid	(E,Z)-Geranic acid	
Content (NLT)	90.0 % (GC) sum of isomers	95 % E-isomer 49.4% and Z-isomer 45.6%	
Refractive index	1.479-1.489 (n <sub>20D</sub> )	1.473-1.479 (n <sub>20D</sub> )	
Specific gravity	0.952-0.962 (d <sub>20/20</sub> )	0.953-0.959 (d <sub>25/25</sub> )	
Acid value (NMT)			
Melting/Congeealing point		MP: 21°C	
Angular/Specific rotation			
Heavy metals (NMT)			
Solubility in ethanol		Soluble	
Other requirements			
Identification*	IR : MS : 1,4,5 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