



TECHNICAL DATA SHEET

Standard grade

Product name	Zingerone	Product code	EP00224
CAS No.	122-48-5	Pheromone code	—
Molecular formula	C ₁₁ H ₁₄ O ₃	Molecular weight	194.23

Specification

Property	Specification	Method
Appearance	White to yellow powder	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)

Physical properties (literature reference)

Melting point	40.5 °C	Boiling point	187–188 °C / 14 mm Hg
Density	1.138 g/cm ³ (25 °C)	Refractive index	n _D 1.5440 (20 °C)
Flash point	102 °C	Solubility	Sparingly sol in water, petroleum ether

Storage and handling

Storage conditions	2–8 °C, protected from light, tightly closed	Retest period	24 months
Packaging	1 kg; 25 kg	Safety	See Safety Data Sheet

Application (literature reference)

Pheromone type	Plant volatile attractant
Target species	Bactrocera jarvisi (Jarvis's fruit fly); Bactrocera tryoni; Bactrocera curvipennis
Order / family	Diptera: Tephritidae; Tephritidae: Diptera; Diptera: Tephritidae: Dacinae
Reported use	Monitoring
Key reference	doi:10.3390/molecules25122877; doi:10.1016/j.jinsphys.2018.06.004