



TECHNICAL DATA SHEET

Standard grade

Product name	(Z)-7-Tetradecen-2-one	Product code	EP00141
CAS No.	146955-45-5	Pheromone code	7Z-14:Kt
Molecular formula	C ₁₄ H ₂₆ O	Molecular weight	210.36

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (7Z)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

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	Sex pheromone
Target species	<i>Exomala orientalis</i> (Oriental beetle); <i>Pristionchus pacificus</i>
Order / family	Coleoptera: Scarabaeidae; Nematoda: Diplogastridae
Crops	Blueberry
Reported use	Mating disruption
Reported blend components	(E)-7-tetradecen-2-one
Reported blend ratio	(E)-7-tetradecen-2-one: 7:1 (Z:E)
Dispenser loading	0.05 g active ingredient (AI) per dispenser
Key reference	doi:10.1007/bf02059892; doi:10.1023/a:1012270602288