



TECHNICAL DATA SHEET

Standard grade

Product name	(Z)-10-Hexadecenal	Product code	EP00112
CAS No.	68279-24-3	Pheromone code	10Z-16:Ald
Molecular formula	C16H30O	Molecular weight	238.41

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 98.0 %	GC-FID (PEG)
Isomeric purity (10Z)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Storage and handling

Storage conditions	2–8 °C (or –20 °C), protected from light, under nitrogen, container filled to minimise headspace	Retest period	12 months
Packaging	1 kg; 25 kg	Safety	See Safety Data Sheet

Application (literature reference)

Pheromone type	Sex pheromone
Target species	Conogethes punctiferalis (yellow peach moth)
Order / family	Lepidoptera: Crambidae
Crops	Chestnut; peach
Reported use	Mating disruption
Reported blend components	(E)-10-hexadecenal; (Z)-9-heptacosene; (3Z,6Z,9Z)-tricosatriene
Key reference	doi:10.3390/insects15060445; doi:10.1093/jee/toac161