



TECHNICAL DATA SHEET

Standard grade

Product name	(Z,Z)-7,11-Hexadecadienal	Product code	EP00104
CAS No.	96883-53-3	Pheromone code	7Z,11Z-16:Ald
Molecular formula	C16H28O	Molecular weight	236.39

Specification

Property	Specification	Method
Appearance	Clear, colourless to yellow liquid	Visual
Chemical purity	≥ 90.0 %	GC-FID (PEG)
Isomeric purity (7Z,11Z)	≥ 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	Phyllocnistis citrella (citrus leafminer)
Order / family	Lepidoptera: Gracillariidae
Crops	Citrus (Citrus spp.)
Reported use	Mating disruption
Reported blend components	(Z,Z,E)-7,11,13-hexadecatrienal; (Z)-7-hexadecenal
Reported blend ratio	(Z,Z,E)-7,11,13-hexadecatrienal: 3:1 (triene:diene) (Z)-7-hexadecenal: 30:10:1 (trienal:dienal:monoenal)
Dispenser loading	1 g SPLAT containing 2% (Z,Z)-7,11-hexadecadienal (diene) per disk
Key reference	doi:10.1007/s10886-006-9358-7; doi:10.1007/s10886-006-9359-6