



TECHNICAL DATA SHEET

Standard grade

Product name	(7Z,11Z,13E)-Hexadeca-7,11,13-trienal	Product code	EP00102
CAS No.	888042-38-4	Pheromone code	7Z,11Z,13E-16:Ald
Molecular formula	C16H26O	Molecular weight	234.38

Specification

Property	Specification	Method
Appearance	Clear, colourless to yellow liquid	Visual
Chemical purity	≥ 90.0 %	GC-FID (PEG)
Isomeric purity (7Z,11Z,13E)	≥ 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)-7,11-hexadecadienal; (Z)-7-hexadecenal
Reported blend ratio	(Z,Z)-7,11-hexadecadienal, (Z)-7-hexadecenal: 30:10:1 (triene:diene:(Z)-7-hexadecenal)
Dispenser loading	0.15% (Z,Z,E)-7,11,13-hexadecatrienal loaded in 1 g SPLAT per disk (IFM-413 device, paired with a second disk of 2% (Z,Z)-7,11-hexadecadienal)
Key reference	doi:10.1007/s10886-006-9359-6; doi:10.1603/ec10267