



TECHNICAL DATA SHEET

Standard grade

Product name	(10Z,12E)-10,12-Hexadecadienal	Product code	EP00111
CAS No.	69977-23-7	Pheromone code	10Z,12E-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 (10Z,12E)	≥ 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	Diaphania glauculalis
Crops	Anthocephalus chinensis
Reported blend components	(E)-11-hexadecenal (E11-16:Ald)
Key reference	doi:10.1007/s11356-015-4711-4