



TECHNICAL DATA SHEET

Standard grade

Product name	(E)-10-Hexadecenal	Product code	EP00050
CAS No.	72698-30-7	Pheromone code	10E-16:Ald
Molecular formula	C16H30O	Molecular weight	238.409

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 98.0 %	GC-FID (PEG)
Isomeric purity (10E)	≥ 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	Maruca vitrata (legume pod borer)
Order / family	Crambidae: Lepidoptera
Reported use	Mating disruption
Reported blend components	(E,E)-10,12-Hexadecadienal; (E,E)-10,12-hexadecadienol
Reported blend ratio	(E,E)-10,12-Hexadecadienal, (E,E)-10,12-hexadecadienol: 100:5:5
Key reference	doi:10.1007/s10886-015-0653-z; doi:10.3390/insects11090558