



TECHNICAL DATA SHEET

Standard grade

Product name	(Z)-7-Hexadecenal	Product code	EP00011
CAS No.	56797-40-1	Pheromone code	7Z-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 (7Z)	≥ 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	Helicoverpa zea (corn earworm)
Order / family	Lepidoptera: Noctuidae
Crops	Sweet corn
Reported use	Monitoring
Reported blend components	(Z)-11-hexadecenal; (n)-hexadecanal; (Z)-9-hexadecenal
Reported blend ratio	(Z)-11-hexadecenal: 87% (n)-hexadecanal: 8% (Z)-9-hexadecenal: 3%
Trap type	Hartstack, Heliothis, and green bucket traps
Key reference	doi:10.1093/jee/toaf180; doi:10.1016/s0965-1748(02)00055-3