



TECHNICAL DATA SHEET

Standard grade

Product name	(E)-11-Tetradecenal	Product code	EP00086
CAS No.	35746-21-5	Pheromone code	11E-14:Ald
Molecular formula	C ₁₄ H ₂₆ O	Molecular weight	210.36

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 98.0 %	GC-FID (PEG)
Isomeric purity (11E)	≥ 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	<i>Choristoneura fumiferana</i> (spruce budworm); <i>Choristoneura occidentalis</i> (western spruce budworm)
Order / family	Lepidoptera: Tortricidae
Reported blend components	(Z)-11-tetradecenal
Reported blend ratio	(Z)-11-tetradecenal: 92.5-99% E (most attractive range; 95% E had highest cumulative catch)
Key reference	doi:10.1007/bf00994801; doi:10.1007/s10886-017-0871-7