



TECHNICAL DATA SHEET

Standard grade

Product name	(Z)-3-Dodecenyl (E)-2-butenate	Product code	EP00019
CAS No.	104086-73-9	Pheromone code	—
Molecular formula	C ₁₆ H ₂₈ O ₂	Molecular weight	252.39

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (3Z)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Storage and handling

Storage conditions	2–8 °C, protected from light, tightly closed	Retest period	24 months
Packaging	1 kg; 25 kg	Safety	See Safety Data Sheet

Application (literature reference)

Pheromone type	Sex pheromone
Target species	<i>Cylas formicarius</i> (sweetpotato weevil)
Order / family	Coleoptera: Brentidae
Crops	Sweet potato (<i>Ipomoea batatas</i>)
Reported use	Monitoring, mass trapping
Trap type	Pherocon unitrap
Key reference	doi:10.1007/bf01012367; doi:10.1007/bf00993745