



TECHNICAL DATA SHEET

Standard grade

Product name	(Z)-5-Dodecen-1-ol	Product code	EP00071
CAS No.	40642-38-4	Pheromone code	5Z-12:OH
Molecular formula	C ₁₂ H ₂₄ O	Molecular weight	184.32

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (5Z)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Physical properties (literature reference)

Density	0.846 g/cm ³	Flash point	98.8 °C
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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	Cossus cossus (European goat moth); Holcocerus artemisiae (sand sagebrush carpenterworm); Dendrolimus punctatus (pine caterpillar moth)
Order / family	Lepidoptera, Cossidae; Lepidoptera: Lasiocampidae
Crops	Artemisia filifolia; pine
Reported use	Monitoring
Reported blend components	(Z)-5-dodecenyl acetate; (Z)-5-tetradecenyl acetate
Dispenser loading	500 microg/septum (Z5-12:Ac) and 300 microg/septum (Z5-14:Ac)
Trap type	trap baited with rubber septa
Key reference	doi:10.1515/znc-2009-7-819; doi:10.1007/bf00988036