



TECHNICAL DATA SHEET

Standard grade

Product name	(Z)-2-(3,3-Dimethylcyclohexylidene)acetaldehyde	Product code	EP00081
CAS No.	26532-24-1	Pheromone code	—
Molecular formula	C ₁₀ H ₁₆ O	Molecular weight	152.23

Specification

Property	Specification	Method
Appearance	Clear, colourless to yellow liquid	Visual
Chemical purity	≥ 98.0 %	GC-FID (PEG)
Isomeric purity (2Z)	≥ 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	Aggregation pheromone
Target species	Polygraphus poligraphus; Polygraphus punctifrons; Polygraphus subopacus; Polygraphus proximus
Crops	Abies sibirica; Picea abies
Key reference	doi:10.1007/s10886-025-01577-3