



TECHNICAL DATA SHEET

Standard grade

Product name	1-Ethyl-3,5,7-trimethyl-2,8-dioxabicyclo[3.2.1]octane	Product code	EP00114
CAS No.	162490-88-2	Pheromone code	—
Molecular formula	C ₁₁ H ₂₀ O ₂	Molecular weight	184.28

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)

Storage and handling

Storage conditions	2–8 °C, protected from light, tightly closed	Retest period	12 months
Packaging	1 kg; 25 kg	Safety	See Safety Data Sheet

Application (literature reference)

Pheromone type	Aggregation pheromone
Target species	Cosmopolites sordidus (banana weevil)
Order / family	Coleoptera: Curculionidae
Crops	Banana
Reported use	Mass trapping
Reported blend components	host plant (banana pseudostem tissue) odors
Trap type	ground trap (mahogany-brown; superior to ramp and pitfall traps)
Key reference	doi:10.1007/s10886-012-0091-0; doi:10.1007/s10886-008-9580-6