



## TECHNICAL DATA SHEET

Standard grade

|                   |                                                |                  |           |
|-------------------|------------------------------------------------|------------------|-----------|
| Product name      | (Z)-7-Dodecen-1-yl acetate                     | Product code     | EP00014   |
| CAS No.           | 14959-86-5                                     | Pheromone code   | 7Z-12:OAc |
| Molecular formula | C <sub>14</sub> H <sub>26</sub> O <sub>2</sub> | Molecular weight | 226.35    |

### Specification

| Property             | Specification                            | Method                                  |
|----------------------|------------------------------------------|-----------------------------------------|
| Appearance           | Clear, pale yellow to yellow oily liquid | Visual                                  |
| Chemical purity      | ≥ 95.0 %                                 | GC-FID (PEG)                            |
| Isomeric purity (7Z) | ≥ 93.0 %                                 | GC-FID (cyanopropyl), isomer-normalised |

### Physical properties (literature reference)

|         |                         |             |         |
|---------|-------------------------|-------------|---------|
| Density | 0.881 g/cm <sup>3</sup> | Flash point | 96.5 °C |
|---------|-------------------------|-------------|---------|

### 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 | Athetis lepigone                                                 |
| Order / family | Lepidoptera: Noctuidae                                           |
| Crops          | Maize; wheat                                                     |
| Key reference  | doi:10.1016/j.jinsphys.2018.08.009; doi:10.1021/acs.jafc.0c01572 |