

## SPECIFICATION

### Alpha-Cypermethrin

| Parameters        | Specification                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------|
| CAS Number        | 67375-30-8                                                                                                 |
| Appearance        | Clear to pale yellow oily liquid                                                                           |
| Molecular Formula | C <sub>22</sub> H <sub>19</sub> Cl <sub>2</sub> NO <sub>3</sub>                                            |
| Molecular Weight  | 416.31 g/mol                                                                                               |
| Boiling Point     | 300 °C                                                                                                     |
| Flash Point       | 160 °C                                                                                                     |
| Purity            | 98–99%                                                                                                     |
| Refractive Index  | 1.531                                                                                                      |
| Solubility        | Practically insoluble in water; soluble in acetone, methanol, and dichloromethane                          |
| Uses              | Agricultural insecticide for crops; pest control in stored products; veterinary and household pest control |

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