

## SPECIFICATION

### Fenvalerate

| Parameters        | Specification                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------|
| CAS Number        | 51630-58-1                                                                                        |
| Appearance        | White to off-white crystalline solid                                                              |
| Molecular Formula | C <sub>25</sub> H <sub>22</sub> ClNO <sub>3</sub>                                                 |
| Molecular Weight  | 539.84 g/mol                                                                                      |
| Boiling Point     | 250 °C                                                                                            |
| Melting Point     | 56.2 °C                                                                                           |
| Flash Point       | 132 °C                                                                                            |
| Purity            | 98–99%                                                                                            |
| Refractive Index  | 1.57                                                                                              |
| Solubility        | Slightly soluble in water, soluble in acetone, methanol, and benzene                              |
| Uses              | Insecticide for crop protection, used against lepidopteran and coleopteran pests in various crops |