

## PRODUCT IDENTITY

|                 |                       |                |                                     |
|-----------------|-----------------------|----------------|-------------------------------------|
| PRODUCT NAME    | 2-Chlorophenothiazine | PRODUCT NUMBER | C104143                             |
| Grades & Purity | ≥98%                  | VERSION        | 3                                   |
| CAS NUMBER      | 92-39-7               | FORMULA        | C <sub>12</sub> H <sub>8</sub> ClNS |
| FORMULA WEIGHT  | 233.72g/mol           |                |                                     |

## ACCEPTANCE CRITERIA

| PARAMETER                               | SPECIFICATION / LIMIT                   |
|-----------------------------------------|-----------------------------------------|
| Melting point                           | 198-203 (°C)                            |
| Purity(Titration by AgNO <sub>3</sub> ) | 97.5-100 (%)                            |
| Purity(HPLC)                            | 98-100 (%)                              |
| Appearance (C104143)                    | Yellow to Grey to Green to Brown Powder |
| Infrared spectrum                       | Conforms to Structure                   |
| Proton NMR spectrum                     | Conforms to Structure                   |
| Solubility in Acetone                   | almost transparency                     |