

## SPECIFICATION

### Dimethylamine Hydrochloride

| Parameters        | Specification                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------|
| CAS Number        | 506-59-2                                                                                                      |
| Appearance        | White crystalline solid                                                                                       |
| Molecular Formula | C <sub>2</sub> H <sub>8</sub> ClN                                                                             |
| Molecular Weight  | 81.54 g/mol                                                                                                   |
| Boiling Point     | 235 °C                                                                                                        |
| Melting Point     | 198 °C                                                                                                        |
| Flash Point       | 120 °C                                                                                                        |
| Purity            | 98–99%                                                                                                        |
| Refractive Index  | 1.43                                                                                                          |
| Solubility        | Soluble in water; soluble in methanol                                                                         |
| Uses              | Reagent in organic synthesis; intermediate in pharmaceutical synthesis; acid-base chemistry; buffer component |

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