

## SPECIFICATION

### Mannitol

| Parameters        | Specification                                                                   |
|-------------------|---------------------------------------------------------------------------------|
| CAS Number        | 69-65-8                                                                         |
| Appearance        | White crystalline powder                                                        |
| Molecular Formula | C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>                                   |
| Molecular Weight  | 182.17 g/mol                                                                    |
| Boiling Point     | 165 °C                                                                          |
| Melting Point     | 165 °C                                                                          |
| Flash Point       | 230 °C                                                                          |
| Purity            | 99–99.9%                                                                        |
| Refractive Index  | 1.53                                                                            |
| Solubility        | 20 g/100 mL in water at 25 °C;<br>soluble in water                              |
| Uses              | Osmotic laxative; pharmaceutical<br>excipient; cryoprotectant; food<br>additive |