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## D-Mannitol, Hi-LR<sup>TM</sup>

**GRM024**

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### Product Identifier

|                   |   |   |
|-------------------|---|---|
| CAS No.           | : | 69-65-8                                       |
| EC No.            | : | 200-711-8                                     |
| Molecular Formula | : | C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> |
| Molecular Weight  | : | 182.17  |
| HS Code           | : | 2905 43 00                                    |
| Storage           | : | Below 30°C                                    |
| Shelf life        | : | 4 years                                       |

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### Technical Specification

|                                 |   |  |
|---------------------------------|---|--|
| Appearance                      | : | White to off-white crystals or powder or solid or free-flowing granules  |
| Solubility                      | : | 100 mg soluble in 1 mL of water  |
| Clarity                         | : | 10% w/v solution in boiling water is yellowish and clear.  |
| FTIR                            | : | Matches with the standard pattern  |
| Specific rotation               | : | +23.00° to +25.00° (c = 2g sample + 2.6 g of disodium tetraborate + 20mL of water, shake for 15-30 min., dilute the solution to 25 mL with water at 20 ± 0.5°C, dried substance) |
| Melting range                   | : | 165 - 170°C  |
| Chloride (Cl)                   | : | <= 0.005%  |
| Sulfate (SO <sub>4</sub> )      | : | <= 0.01%   |
| Residue after ignition          | : | <= 0.01%   |
| Loss on drying (at 105°C, 4 hr) | : | <= 0.50%   |
| Assay (GC/HPLC)                 | : | 99.00 - 102.00%  |

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### Safety Information

|               |   |                     |
|---------------|---|---------------------|
| UN No.        | : | Not dangerous goods |
| Class         | : | -                   |
| Packing Group | : | -                   |
| RTECS         | : | OP2060000           |
| WGK           | : | 1                   |