

## D-(+)-Glucose anhydrous

**GRM016**

### Product Identifier

|                   |   |   |
|-------------------|---|---|
| CAS No.           | : | 50-99-7                                       |
| EC No.            | : | 200-075-1                                     |
| Molecular Formula | : | C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> |
| Molecular Weight  | : | 180.16  |
| Synonym           | : | Dextrose anhydrous                            |
| HS Code           | : | 1702 30 39                                    |
| Storage           | : | Below 30°C                                    |
| Shelf life        | : | 4 years                                       |

### Technical Specification

|                                  |   |  |
|----------------------------------|---|--|
| Appearance                       | : | Colourless to white or almost white crystals or powder or granules or solid  |
| Solubility                       | : | 100 mg soluble in 1 mL of water  |
| Clarity                          | : | 10% w/v aqueous solution is clear and colourless   |
| Specific rotation                | : | +52.5° to +53.3° (c= Dissolve 10.0 gm of sample in 80 mL of water, add 0.2 mL of 5M ammonia, allow to stand for 30 min. and dilute to 100.0 mL with water) |
| Chloride (Cl)                    | : | <= 0.0125%   |
| Sulfate (SO <sub>4</sub> )       | : | <= 0.02%   |
| Water (K.F.)                     | : | <= 1.0%  |
| Assay (HPLC, on anhydrous basis) | : | min. 99.00%  |

### Safety Information

|               |   |                     |
|---------------|---|---------------------|
| UN No.        | : | Not dangerous goods |
| Class         | : | -                   |
| Packing Group | : | -                   |
| RTECS         | : | LZ6600000           |
| WGK           | : | 1                   |