

## Product Datasheet

### GC1670 - D-Sorbitol, Ph. Eur.,

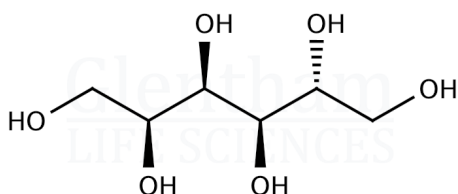
### USP/NF grade

#### Product Details

|                    |                                                                                 |
|--------------------|---------------------------------------------------------------------------------|
| Product Name       | D-Sorbitol, Ph. Eur., USP/NF grade                                              |
| Glenthams Code     | GC1670                                                                          |
| CAS Number         | 50-70-4                                                                         |
| EINECS             | 200-061-5                                                                       |
| MDL-Nummer         | MFCD00004708                                                                    |
| Related Categories | Carbohydrates, Core<br>Carbohydrates, Biochemicals,<br>Raw Materials (IVD), PCR |

#### Structure

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Molecular Weight  | : 182.17                                        |
| Molecular Formula | : C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> |



|                                |                                                                              |
|--------------------------------|------------------------------------------------------------------------------|
| Physical Description           | : White or almost white crystalline powder                                   |
| Identification                 | : A, B, C, D according to Ph. Eur.                                           |
| Identification                 | : A, B according to USP                                                      |
| Solubility (10% in water)      | : Clear, colourless solution                                                 |
| pH (10% in water)              | : 3.5 - 7.0                                                                  |
| Specific Optical Rotation      | : +4.0 - +7.0 °                                                              |
| Conductivity                   | : ≤ 20μS/cm (20% wt./v in water)                                             |
| Reducing Sugars                | : ≤ 0.2%                                                                     |
| Reducing Sugars                | : ≥ 12.8ml (of 0.05M Na <sub>2</sub> O <sub>3</sub> S <sub>2</sub> required) |
| D-Mannitol                     | : ≤ 2.0%                                                                     |
| D-Iditol                       | : ≤ 2.0%                                                                     |
| D-Maltitol                     | : ≤ 2.0%                                                                     |
| Any Individual Impurity (HPLC) | : ≤ 2.0%                                                                     |
| Total Impurities (HPLC)        | : ≤ 3.0%                                                                     |
| Lead (Pb)                      | : ≤ 0.5ppm                                                                   |
| Nickel (Ni)                    | : ≤ 1ppm                                                                     |
| Residue on Ignition            | : ≤ 0.1%                                                                     |
| Water                          | : ≤ 1.5%                                                                     |
| Total Aerobic Microbial Count  | : ≤ 1000CFU/g                                                                |
| Total Yeast and Mould Count    | : ≤ 100CFU/g                                                                 |
| Assay                          | : 97.0 - 100.5 %                                                             |
| Pharmacopoeia Specification(s) | : Ph. Eur., USP/NF grade                                                     |
| Version                        | : v1.0                                                                       |

#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as hazardous under CLP.

Not classified as dangerous for transport.

#### Glenthams Product Specification

#### About D-Sorbitol, Ph. Eur., USP/NF grade

No further details on record.

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