

Specification

**D(+)-Glucose 1-hydrate *BioChemica***

**A1349**

|                              |  |
|------------------------------|--|
| <b>Solubility:</b>           | 470 g/L (H <sub>2</sub> O)   |
| <b>Physical Description:</b> | Solid  |
| <b>Product Code:</b>         | A1349  |
| <b>Product Name:</b>         | D(+)-Glucose 1-hydrate <i>BioChemica</i>   |
| <b>Specifications:</b>       | <p>Assay (HPLC): min. 99 %</p> <p><math>\alpha</math>20°C/D; 10 %, H<sub>2</sub>O: +52.5° - +53.3°</p> <p>pH (10 %; H<sub>2</sub>O): 5.0 - 7.0</p> <p>Heavy metals (as Pb): max. 0.0005 %</p> <p>Insoluble matter: passes test</p> <p>Water (K.F.): 7.0 - 9.5 %</p> <p>Chloride: max. 0.01 %</p> <p>Sulfate: max. 0.02 %</p> <p>A (1 cm/0.5 M in H<sub>2</sub>O)</p> <p>260 nm: max. 0.05</p> <p>280 nm: max. 0.05</p> |
| <b>WGK:</b>                  | nwg  |
| <b>Storage:</b>              | RT   |
| <b>Molecular Formula:</b>    | C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> · H <sub>2</sub> O   |
| <b>M:</b>                    | 198.17 g/mol   |
| <b>CAS:</b>                  | 77938-63-7   |
| <b>EINECS:</b>               | 200-075-1  |
| <b>CS:</b>                   | 17023050   |
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