

Specification

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

**A3891**

|                              |                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Solubility:</b>           | 1080 g/L (H <sub>2</sub> O)                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Physical Description:</b> | Solid                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Product Code:</b>         | A3891                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Product Name:</b>         | D(+)-Maltose 1-hydrate <i>BioChemica</i>                                                                                                                                                                                                                                                                                                                                                       |
| <b>Specifications:</b>       | <p>Assay (HPLC): min. 94.5 %</p> <p><math>\alpha</math>20°C/D; 4 %, H<sub>2</sub>O: +135° - +139°</p> <p>pH (20 %; H<sub>2</sub>O; 25°C): 4.0 - 6.5</p> <p>Heavy metals (as Pb): max. 0.0005 %</p> <p>Insoluble matter: passes test</p> <p>Glucose (TLC): max. 1 %</p> <p>Water (K.F.): max. 6.0 %</p> <p>A (1 cm/0.1 M in H<sub>2</sub>O)</p> <p>260 nm: max. 0.1</p> <p>280 nm: max. 0.1</p> |
| <b>WGK:</b>                  | 1                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage:</b>              | RT                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Formula:</b>    | C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> · H <sub>2</sub> O                                                                                                                                                                                                                                                                                                                             |
| <b>M:</b>                    | 360.32 g/mol                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>CAS:</b>                  | 6363-53-7                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>EINECS:</b>               | 200-716-5                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>CS:</b>                   | 17029010                                                                                                                                                                                                                                                                                                                                                                                       |
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