

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>	nwg
<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

**AppliChem GmbH**

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • [info.de@itwreagents.com](mailto:info.de@itwreagents.com) • [www.itwreagents.com](http://www.itwreagents.com)  
 CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340