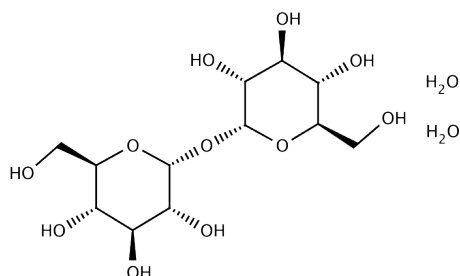


## Product Specification

Product Name : D-(+)-Trehalose dihydrate  
Glentham Code : GC7900  
CAS Number : 6138-23-4  
EINECS : 202-739-6  
MDL Number : MFCD00071594  
Additional CAS : 99-20-7 (anhydrous)  
PubChem SID : 310281106

Molecular Weight : 378.33  
Molecular Formula : C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> · 2H<sub>2</sub>O  
Storage Temp. : +20°C



Property	Specification
Physical Description	White to almost white crystalline powder
Loss on Drying	≤ 1.5% (60°C, 5h)
Water	≤ 11.0%
pH (30% solution)	4.5 - 6.5
Colour of Solution	≤ 0.100
Turbidity	≤ 0.050
Residue on Ignition	≤ 0.05%
Heavy Metals (as Pb)	≤ 1ppm
Lead (Pb)	≤ 0.1ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	≤ 1ppm
Assay	≥ 98.0% (Trehalose, dry basis)
Total Aerobic Microbial Count	≤ 300CFU/g
Total Coliforms	None detected
Total Combined Yeast and Mould Count	≤ 100CFU/g

Specification Version : v1.0  
Date Created : 2013-11-26

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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