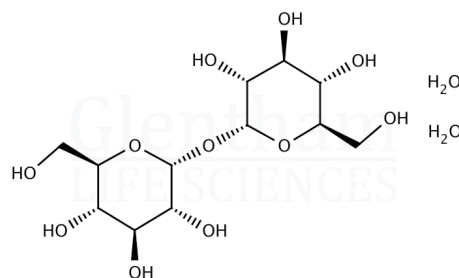


## Product Specification

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	$C_{12}H_{22}O_{11} \cdot 2H_2O$
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 (As2O3)	≤ 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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