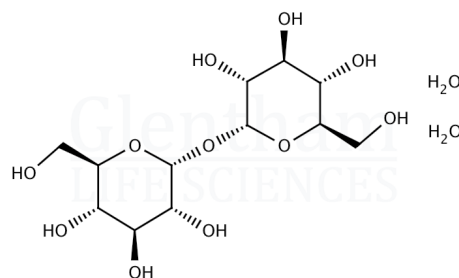


## Certificate of Analysis

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
Batch Number	267AGN

Molecular Weight	378.33
Molecular Formula	$C_{12}H_{22}O_{11} \cdot 2H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 267AGN
Physical Description	White to almost white crystalline powder	White crystalline powder
Loss on Drying	≤ 1.5% (60°C, 5h)	0.1%
Water	≤ 11.0%	9.4%
pH (30% solution)	4.5 - 6.5	5.6
Colour of Solution	≤ 0.100	0.005
Turbidity	≤ 0.050	0.000
Residue on Ignition	≤ 0.05%	0.00%
Heavy Metals (as Pb)	≤ 1ppm	0.01ppm
Lead (Pb)	≤ 0.1ppm	0.001ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	≤ 1ppm	0.01ppm
Assay	≥ 98.0% (Trehalose, dry basis)	99.0%
Total Aerobic Microbial Count	≤ 300CFU/g	0CFU/g
Total Coliforms	None detected	Conforms
Total Combined Yeast and Mould Count	≤ 100CFU/g	0CFU/g

Specification Version	v1.0
Manufacture Date	2019-03-01
Re-Test Date	2027-10-15

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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