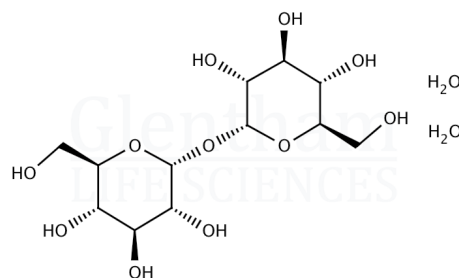


Certificate of Analysis

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 (As2O3)	≤ 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 or contact us using the details above for the current version of this document.

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