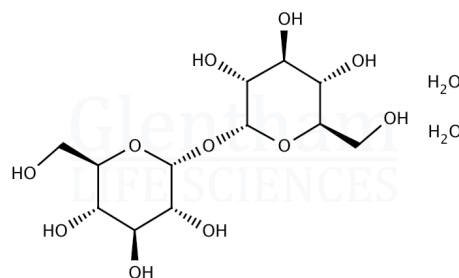


Certificate of Analysis

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 428EXI

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



Property	Specification	Batch 428EXI
Physical Description	White to almost white crystalline powder	White crystalline powder
Loss on Drying	≤ 1.5% (60°C, 5h)	0.1%
Water	≤ 11.0%	9.7%
pH (30% solution)	4.5 - 6.5	5.6
Colour of Solution	≤ 0.100	0.003
Turbidity	≤ 0.050	0.000
Residue on Ignition	≤ 0.05%	0.00%
Heavy Metals (as Pb)	≤ 1ppm	Conforms
Lead (Pb)	≤ 0.1ppm	Conforms
Arsenic (As2O3)	≤ 1ppm	Conforms
Assay	≥ 98.0% (Trehalose, dry basis)	99.3%
Total Aerobic Microbial Count	≤ 300CFU/g	0CFU/g
Total Coliforms	None detected	Conforms
Total Combined Yeast and Mould Count	≤ 100CFU/g	1CFU/g

Specification Version v1.0
Manufacture Date 2021-09-20
Re-Test Date 2030-03-07

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025