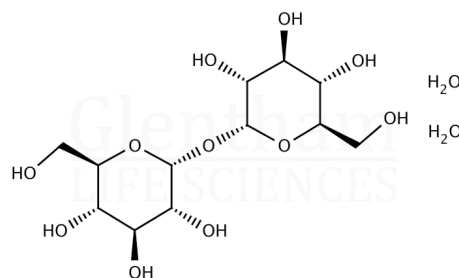


Product Specification

Product Name	D-(+)-Trehalose dihydrate, Ph. Eur. grade
Glentham Code	GC1201
CAS Number	6138-23-4
EINECS	202-739-6
MDL Number	MFCD00071594
Additional CAS	99-20-7
Molecular Weight	378.33
Molecular Formula	$C_{12}H_{22}O_{11} \cdot 2H_2O$
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystalline powder
Identification	A, B, C according to Ph. Eur.
Solubility (10% in water)	Clear, colourless solution
pH (10% in water)	4.5 - 6.5
Specific Optical Rotation	+197 - +201 °
Impurity A	≤ 0.5% (glucose)
Impurity B	≤ 0.5% (oligosaccharides)
Any Unspecified Impurity	≤ 0.2%
Total Impurities	≤ 1.0%
Chlorides	≤ 125ppm
Sulphates	≤ 200ppm
Heavy Metals	≤ 5ppm
Soluble Starch	To pass test (no blue colour)
Sulphated Ash	≤ 0.1%
Water	9.0 - 11.0 %
Total Aerobic Microbial Count	≤ 1000CFU/g
Total Yeast and Mould Count	≤ 100CFU/g
Escherichia coli	Absent
Salmonella	Absent
Assay	99.0 - 101.0 % (anhydrous basis)
Pharmacopoeia Specification(s)	Ph. Eur.

Specification Version	-	v1.0
Date Created	-	2016-09-01

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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