

Specification

Technical Data Sheet

Product Name	D-(+)-Trehalose dihydrate
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Product No	15982280
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CAS Number	6138-23-4
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Storage Temperature	Ambient
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Molecular Weight	378.33
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Specification

Appearance	White crystalline powder
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Loss on Drying	$\leq 1.5\%$
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Melting Point	96.5 - 97.5°C
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pH	5.0 - 6.7
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Assay	$\geq 98.0\%$
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Colour	$\leq 0.1\%$
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Specification

For research use only, not for human use

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Residue on Ignition

≤ 0.04%

Specific optical rotation

177 - 201°

Total Number of Colonies

≤ 300 cfu/g

Turbidity

4NTU max (1% in water)

Arsenic (As)

≤ 5ppm

Identification (IR)

Conforms to structure

Lead (Pb)

≤ 5ppm
