

neoFroxx GmbH

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Specification

Product	D(+)-Trehalose dihydrate for biochemistry
Product number	1483
Formula	C ₁₂ H ₂₂ O ₁₁ • 2 H ₂ O
Molecular weight	378.34 g/mol
CAS number	6138-23-4
Storage	below 25°C
Retest period (months)	48
Parameter	Specification
Assay (HPLC)	>= 98 %
Appearance	pale white to white crystalline powder
Water	9 - 11 %
Specific rotation	+197° to +201° (revised)
Solubility (10 % in water)	clear and colourless
Residue on ignition (Ash)	<= 0.1 %
pH (30 % in water, 20°C)	4.5 - 6.5
Other residual solvents (ICH Q3C)	excluded by manufacturing process

Einhausen, 05.03.2025