

neoFroxx GmbH

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Specification

Product	D(+)-Trehalose dihydrate for biochemistry
Product number	1483
Formula	$C_{12}H_{22}O_{11} \cdot 2 H_2O$
Molecular weight	378.34 g/mol
CAS number	6138-23-4
Storage	below 25°C
Retest period (months)	48
Parameter	Specification
Assay (HPLC)	$\geq 98 \%$
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)	$\leq 0.1 \%$
pH (30 % in water, 20°C)	4.5 - 6.5
Other residual solvents (ICH Q3C)	excluded by manufacturing process

Einhausen, 05.03.2025