

neoFroxx GmbH

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Specification

Product	D(+)-Trehalose dihydrate for biochemistry
Brand	BioFroxx

Product number	1483
Formula	$C_{12}H_{22}O_{11} \cdot 2H_2O$
Molecular weight	378.34 g/mol
CAS number	6138-23-4
Storage	below 25°C
Retest period (months)	48

Parameter	Specification
Assay (HPLC)	min. 98 %
Appearance	pale white to white crystalline powder
Water (K.F.)	9 - 11 %
$\alpha_{20^\circ C/D}$ (7 % in water)	+176 to +180°
Solubility (10 % in water)	clear, colorless
pH (30 % in water, 20°C)	4.5 - 6.5
Residue on ignition	max. 0.1 %
Other residual solvents (ICH Q3C)	excluded by manufacturing process (revised)

Einhausen, 08.05.2021 (revised)