

**neoFroxx GmbH**

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## Specification

Product	D(+)-Lactose monohydrate for biochemistry
Product number	1109
Synonyms	4-O-β-D-Galactopyranosyl-D-glucose, Lactobiose, Milk sugar
Formula	$C_{12}H_{22}O_{11} \cdot H_2O$
Molecular weight	360.32 g/mol
CAS number	10039-26-6
Storage	below 25°C
Retest period (months)	48

TSE/BSE declaration: This product is not derived from specific risk materials as defined in Guideline EMEA/410/01 final Rev. 03/2004. All packaging materials are not of animal origin. The product does not come in contact with animal products during storage or transportation. Therefore it is TSE-BSE risk-free.

Parameter	Specification
Specific rotation	+54.4° - +55.9°
Heavy metals (Pb)	<= 0.0005 %
Insoluble matter	passes test
Water (K.F.)	4.5 - 5.5 %
Chromium (Cr)	<= 0.0005 %
Iron (Fe)	<= 0.0005 %
Zinc (Zn)	<= 0.0005 %
Absorbance (revised)	
260 nm	<= 0.02
280 nm	<= 0.02

Einhausen, 02.05.2025