

Specification

Item number: 8921

α -Lactose monohydrate

Ph. Eur., for biochemistry

CAS No.: 10039-26-6

print date: 01.01.2024

formula: $C_{12}H_{22}O_{11} \cdot H_2O$

density: 1,52

molecular weight: 360,32 g/mol

Guarantee analysis

Appearance	white or almost white, crystalline odourless powder
Appearance of solution	complies
Identity	complies
Acid or alkaline react. substances	complies
Specific rotation $[\alpha]_D^{20}$ (dry substance)	+ 54.4° to + 55.9°
Water	4.5-5.5 %
Loss on drying	≤0.5 %
Sulphated ash	≤0.1 %
Heavy metals	≤0.0005 %
Microbiological impurities	complies

Absorbance:

400 nm	≤0.04
210-220 nm	≤0.25
270-300 nm	≤0.07

Our products are tested for laboratory use only.

The stated information refers to the current status of product quality.

We reserve the right to implement necessary changes.

Dr. R. Niemand
Head of Quality Assurance

S. Lorsee
Head of Quality Management

This document is computer printout and has therefore not been signed by hand.

Carl Roth GmbH + Co. KG
Schoemperlenstraße 3-5
76185 Karlsruhe

Telefon 0721/5606-0
Telefax 0721/5606-149
E-Mail: info@carlroth.de

Die Firma ist eine Kommanditgesellschaft mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRA 100055. Persönlich haftende Gesellschafterin ist die Firma Roth Chemie GmbH mit Sitz in Karlsruhe, Reg. Gericht Mannheim HRB 100428. Geschäftsführer: André Houdelet

