

Technical data sheet

Product name: **Lactose monohydrat**

Grade: **Laboratory**

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

Molar mass: 360.31 g/mol

Synonyms: D-Lactose monohydrate; lactose hydrate

General information	
Cas- No.	10039-26-6
Ec-No.	200-559-2
Appearance	white solid
Boiling point	N/A
Melting point	223 °C
Flash point	N/A
pH value	4-6 (5%, water)
Bulk density	~500 kg/ m ³
Solub. In H ₂ O	freely soluble (20°C)
Storage temp	+15°C to +25°C
R:	N/A
S:	N/A

Specification	
Assay	98.0-100.5 %
Identification	Conforms
Clarity and color of solution	Conforms
Spec.rotation(α 20/D; 10%;Water;calc.on anhydrous	+54.4°- +55.9°
Acidity or alkalinity	≤ 0.006 meq/g
Loss on drying	≤0.5 %
Residue on ignition	≤0.1 %
Water determination	4.5-5.5 %

Symbol:

packaging:

Available Pack	1Kg	5Kg	10Kg
P.E	*	-	-
GLASS	-	-	-