

Description**LACTY[®]-M**

LACTY[®]-M is a bulk sweetener, which can substitute sugar in many applications. It is a polyol, derived from milk sugar (lactose) by hydrogenation of the glucose part of this disaccharide.

LACTY[®]-M is available in a white crystalline form lactitol (monohydrate).

Specification

Grade	LACTY [®] -M
Description	white crystalline powder
Taste	sweet
Odour	odourless
Lactitol	min. 96% on d.s.
Other polyols	max. 4.0% on d.s.
Water (Karl Fischer)	max. 4.0 - 5.5%
Reducing sugars	max. 0.2%
Spec. rotation $[\alpha]^{25}_D$	+ 13.0 - + 15.0°
pH of 10% solution	4.5 - 7.0
Chloride	max. 30 ppm
Sulphate	max. 30 ppm
Ash content	max. 0.1%
Heavy metals	max. 10 ppm
Arsenic	max. 1 ppm
Nickel	max. 1 ppm

Packaging

LACTY[®]-M is packed in a white PE Stratapac bag, with blue transparent innerliner. Net weight 20 kg.

Physical-chemical properties

Molecular formula	$C_{12}H_{24}O_{11} \cdot H_2O$
Molecular weight	362
Chemical name	Lactitol monohydrate
Solubility	Well soluble in water (150 g in 100 ml water at 25°C)

Storage

The product is stable under normal storage conditions.

Applications

Reduced calorie products
Toothfriendly products
Diabetic products