

**LACTALIS
INGREDIENTS
PHARMA**

**LOW
NITRITES**

Lactalpha 50

LACTOSE MONOHYDRATE

50 MESH



Lactalis Ingredients Pharma

Your French trusted pharmaceutical lactose partner

Lactalis Ingredients Pharma contributes to the security of the drug supply chain by delivering the best of lactose to our customers.

Benefiting from the experience and technology of decades of commitment and passion, **we are able today to enter the excipients' market as a trusted pharmaceutical lactose.**

● **EXPERTISE**

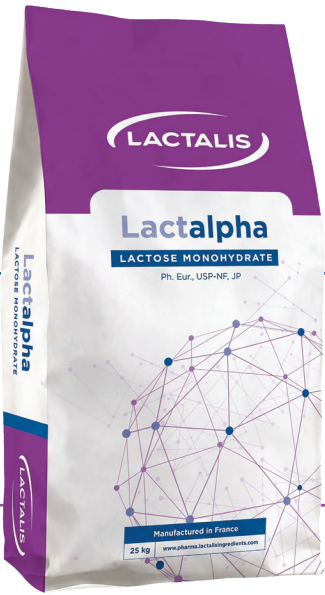
QUALITY

● **RELIABILITY**

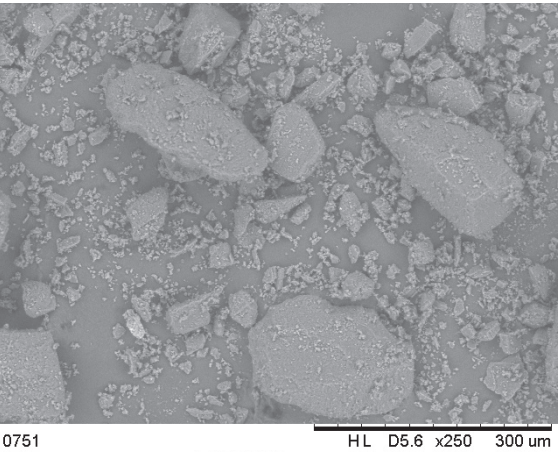
Lactalpa 50

SIEVED LACTOSE MONOHYDRATE

**LOW
NITRITES
≤0.1 ppm**



SEM image x 250



Lactalpa is a range of pharmaceutical grade milled and sieved lactose monohydrate. Lactalpa can easily be used for your OSD applications, in tablets from wet or dry granulation, capsules and sachets. Lactalpa 50 is a 50 mesh pharmaceutical sieved lactose conforming with the lactose monohydrate monographs of the current Pharmacopoeias (Ph. Eur., USP-NF and JP).

Production site
Retiers, France

Process
Dry blending

Lactose properties
Diluent / Flowability

Galenic applications
Capsule / Sachet

Lactalpa 50 guarantees a nitrite content of ≤ 0.1 ppm, to help the pharmaceutical industry meet the growing challenges related to nitrosamines. Nitrite testing is performed on every batch produced, and the detailed value are included on each CoA.

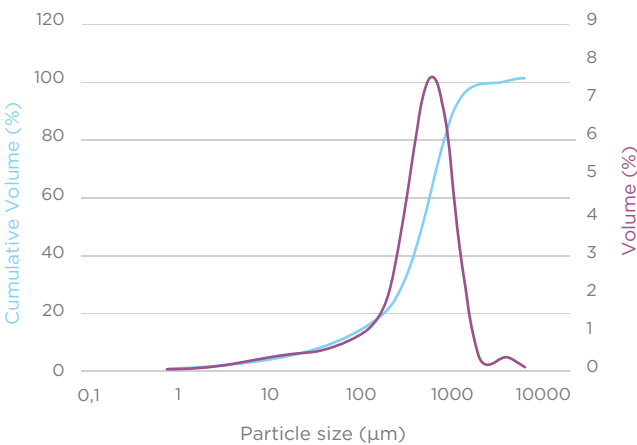
Lactalpa 50

Key physical figures

Characteristics	Specification
Bulk density	870 g/L
Tapped density	1 050 g/L
Hausner ratio	1.21
Carr's index	17%

Particle Size Distribution

PSD by laser diffraction (indicative values)



Laser diffraction

D10: 50 μm

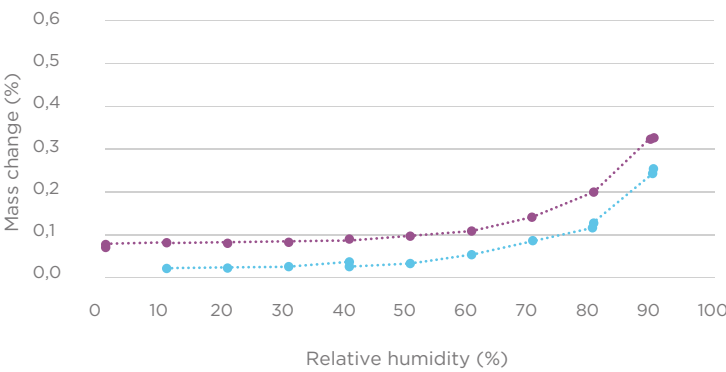
D50: 330 μm

D90: 720 μm

— volume
— cumulative volume

Low water absorption for high stability

Sorption isotherm at 25°C



Lactalpa 50 sorption isotherm at 25°C, measured by SPSx-1u vapor sorption analyzer.

At 25°C, Lactalpa 50 absorbs little water up to 90% relative humidity, and thus shows a great stability.

— desorption
— sorption



Trust our Pharmaceutical lactose



We would be pleased to know you and your needs.

Contact us for any specific need or to receive a sample.

For more information on our products
www.pharma.lactalisingredients.com

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