

# Lactalpha 100

LACTOSE MONOHYDRATE

100 MESH



# Lactalis Ingredients Pharma

## Your French trusted pharmaceutical lactose partner

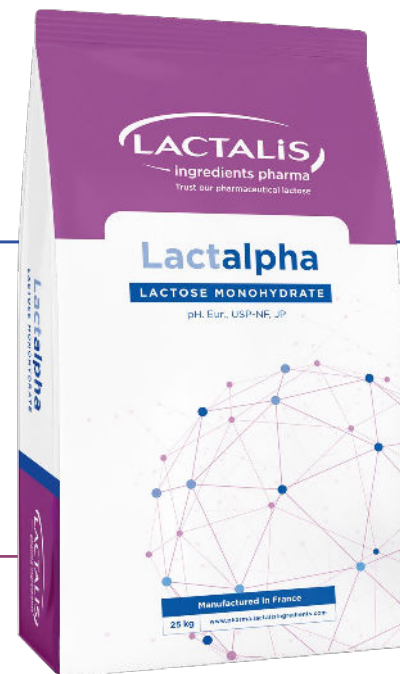
Lactalis Ingredients Pharma contributes to the security of the drug supply chain by delivering the best of lactose to our customers.

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

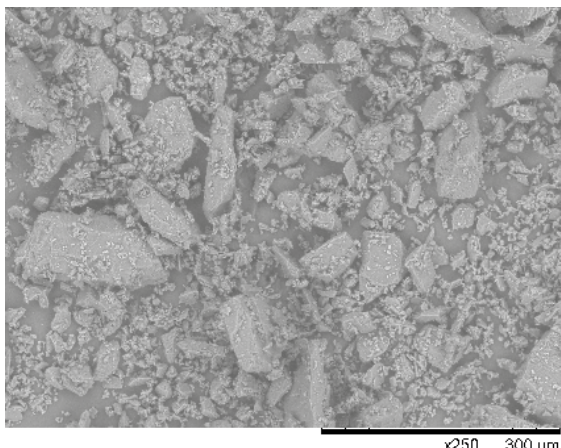
● RELIABILITY



## Lactalpha 100

MILLED LACTOSE MONOHYDRATE

SEM image x 250



Lactalpha is a range of pharmaceutical grade milled and sieved lactose monohydrate. Lactalpha can easily be used for your OSD applications, in tablets from wet or dry granulation, capsules and sachets.

Lactalpha 100 is a 100 mesh pharmaceutical milled lactose conforming with the lactose monohydrate monographs of the current Pharmacopoeias (Ph. Eur., USP-NF and JP).

**Production site**  
Retiers, France

**Lactose properties**  
Diluent / Flowability

**Process**  
Dry blending

**Galenic applications**  
Capsule / Sachet



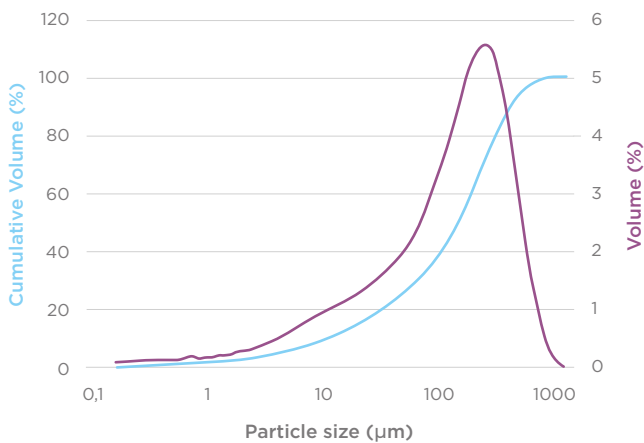
# Lactalpha 100

## Key physical figures

<i>Characteristics</i>	<i>Specification</i>
<b>Bulk density</b>	<b>700 g/L</b>
<b>Tapped density</b>	<b>970 g/L</b>
<b>Hausner ratio</b>	<b>1.39</b>
<b>Carr's index</b>	<b>28%</b>

## Particle Size Distribution

PSD by laser diffraction (indicative values)



### Laser diffraction

**D10:** 10 µm  
**D50:** 110 µm  
**D90:** 290 µm

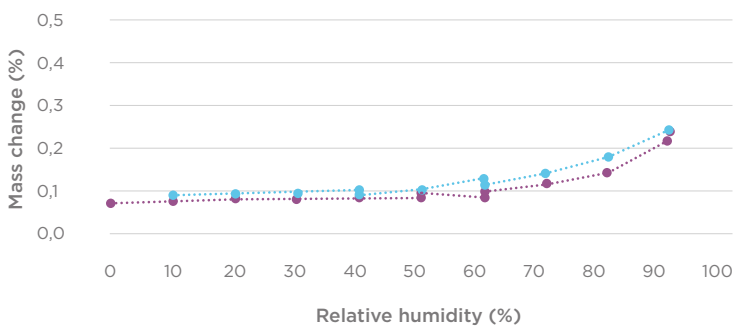
### Air jet sieve

**<63 µm:** ≤40%  
**<150 µm:** 60-80%  
**<250 µm:** ≥95%

— volume  
— cumulative volume

## Low water absorption for high stability

Sorption isotherm at 25°C



Lactalpha 100 sorption isotherm at 25°C, measured by SPSx-1µ vapor sorption analyzer.

At 25°C, Lactalpha 100 absorbs little water up to 90% relative humidity, and thus shows a great stability.

.....● desorption  
.....● sorption



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](http://www.pharma.lactalisingredients.com)

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