



# CHARACTERISTICS & FUNCTIONALITIES

**LACTOSE**  
MONOHYDRATE

**201**

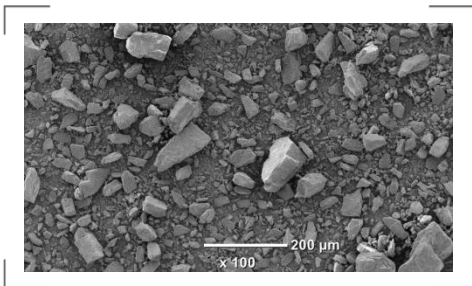


## DESCRIPTION



**ARMOR PHARMA™ lactose monohydrate 201 is a fine milled powder of α-lactose monohydrate.** This lactose is produced in ARMOR PHARMA™ dedicated & state-of-the-art facility in Loudéac (France). Manufactured under EXCIPACT™ GMP standards, it conforms to Ph.Eur, USP-NF and JP lactose monohydrate monographs.

SEM (Scanning Electron Microscopy)



### KEY BENEFITS

- **Compressibility**
- Blending properties
- Storage stability

### APPLICATIONS

- **Wet granulation**
- **Dry granulation**
- Blends/Premixes/Triturations
- Fermentation processes

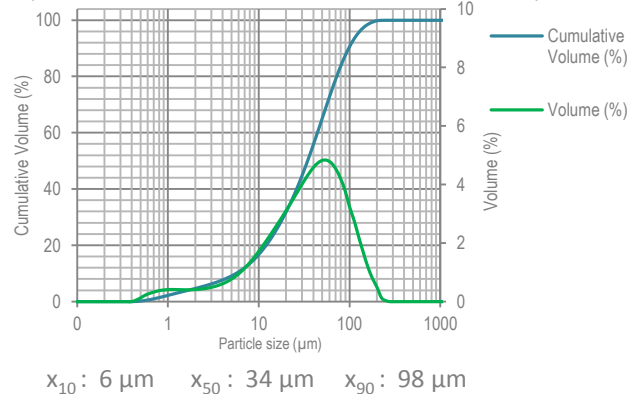


## PARTICLE SIZE DISTRIBUTION (PSD)

PSD (Air jet sieve)	Specifications (%)
% < 32 μm	45 - 75
% < 100 μm	≥ 90

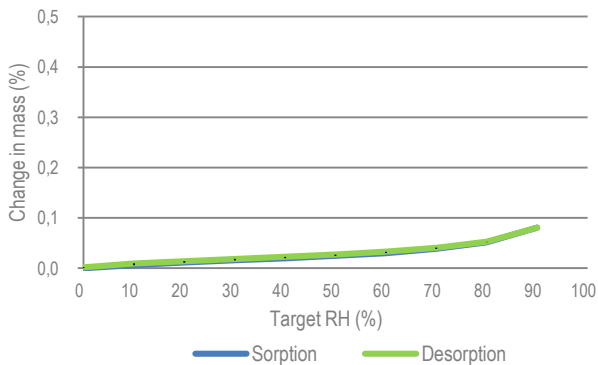
Due to the presence of fine milled particles, this α-lactose monohydrate combines good compaction and blending properties.

PSD (Malvern Laser diffraction, indicative values)



## MOISTURE SORPTION

DVS (Dynamic Vapor Sorption)



The hygroscopicity of α-lactose monohydrate is very low which enables high stability both in storage as well as in formulations



## FLOWABILITY

- **POURED DENSITY:** 0.50 g/mL
- **TAPPED DENSITY:** 0.80 g/mL
- **CARR'S INDEX:** 37 %
- **HAUSNER RATIO:** 1.58

How would you **like** your lactose?

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