



CHARACTERISTICS & FUNCTIONALITIES

LACTOSE
MONOHYDRATE

150
MESH



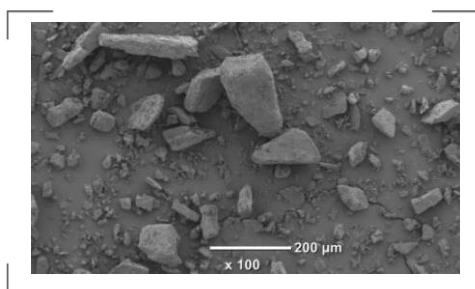
DESCRIPTION

ARMOR PHARMA™ lactose monohydrate 150M is a 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

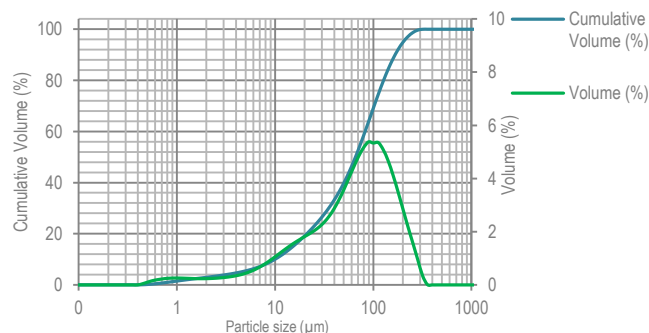


PARTICLE SIZE DISTRIBUTION (PSD)

PSD (Air jet sieve)	Specifications (%)
% < 45 μm	≤ 50
% < 100 μm	≥ 70
% < 150 μm	≥ 85
% < 315 μm	≥ 97

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

PSD (Malvern Laser diffraction, indicative values)

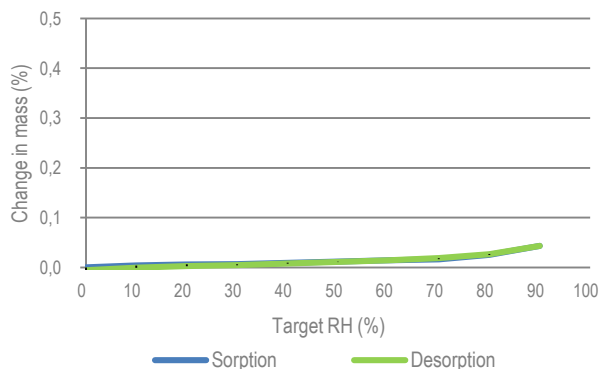


x_{10} : 10 μm x_{50} : 66 μm x_{90} : 166 μm



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:** 0.59 g/mL
- **TAPPED DENSITY:** 0.86 g/mL
- **CARR'S INDEX:** 31 %
- **HAUSNER RATIO:** 1.45

How would you **like** your lactose?

The data contained in this document are for information purposes only and are non-contractual.
For more information, contact us: technical.support@armor-pharma.com