



CHARACTERISTICS & FUNCTIONALITIES

LACTOSE
MONOHYDRATE

80
MESH



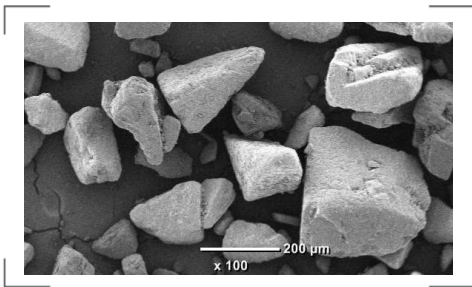
DESCRIPTION



ARMOR PHARMA™ lactose monohydrate 80M is a coarse sieved 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

- Very good flowability
- Narrow PSD
- Storage stability

APPLICATIONS

- Blends
- Direct Compression (associated with a DC lactose)

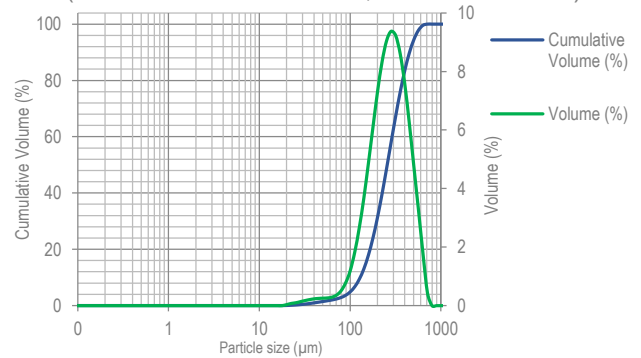


PARTICLE SIZE DISTRIBUTION (PSD)

PSD (Air jet sieve)	Specifications (%)
% < 100 μm	≤ 20
% < 400 μm	98 - 100

Sieving process gives coarse particles with a narrow particle size distribution enabling very good flowability.

PSD (Malvern Laser diffraction, indicative values)

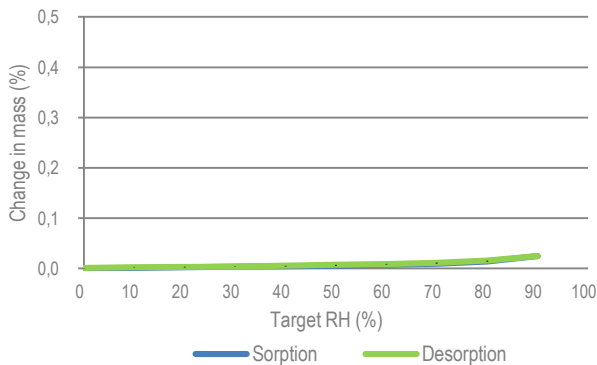


x_{10} : 129 μm x_{50} : 256 μm x_{90} : 450 μm



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

According to flowability index measured by Flodex, ARMOR PHARMA™ lactose monohydrate 80M exhibits a "very good" flowability.

- POURED DENSITY: 0.78 g/mL
- TAPPED DENSITY: 0.87 g/mL
- CARR'S INDEX: 10 %
- HAUSNER RATIO: 1.11

How would you **like** your lactose?

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