

# New from MEGGLE: InhaLac® 140 and InhaLac® 150 – portfolio extension of milled inhalative lactose grades

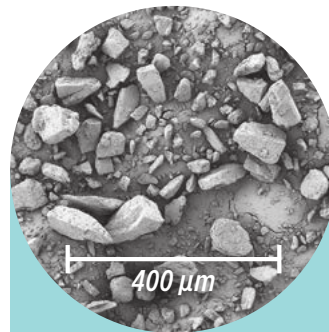


GMP/GDP certified

InhaLac®140 and InhaLac®150 – both new inhalative lactose grades with specific particle size distributions are characterized by the typical flow- and surface-characteristic of **milled lactose grades**. This provides an additional tool for the formulator to tune and optimize the performance of the DPI product. These two new products perfectly fit in MEGGLE's inhalative lactose grades product portfolio.

**InhaLac® 140** is described by a mean particle size of approximately 50 µm.

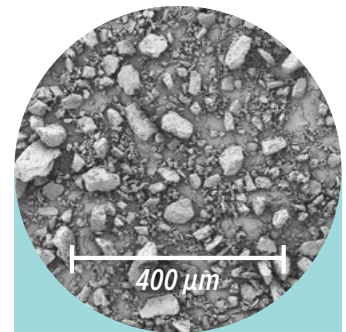
**InhaLac® 150** exhibits a narrow particle size distribution with mean particle size of around 24 µm.



**InhaLac® 140**

Particle size distribution

X <sub>10</sub>	3 – 7 µm
X <sub>50</sub>	37 – 61 µm
X <sub>90</sub>	120 – 190 µm



**InhaLac® 150**

Particle size distribution

X <sub>10</sub>	1 – 5 µm
X <sub>50</sub>	18 – 30 µm
X <sub>90</sub>	65 – 95 µm

## Benefits

- Highly controlled and homogenous powder characteristics
- Highest microbial quality including low endotoxins
- Retest after 24 months

## Application

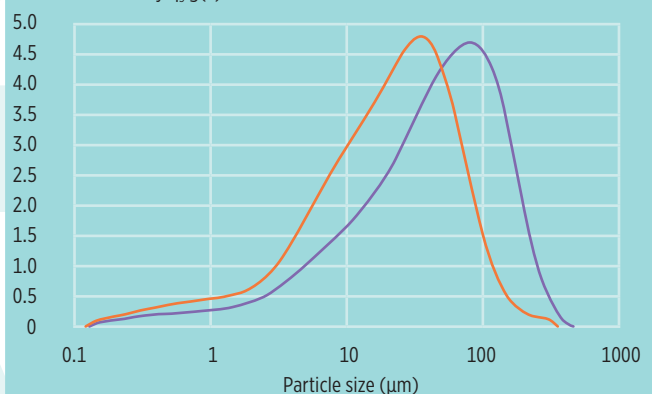
InhaLac®140 and InhaLac®150 as middle-sized milled carrier lactose are suitable for use in pulmonary and nasal drug delivery.

**MEGGLE's extension of the InhaLac® product family – rounding up the portfolio with two new milled lactose grades for dry powder inhalation**

## Typical particle size distribution (Laser diffraction)

InhaLac® milled dry powder inhaler lactose grade, distribution density

Distribution density  $q_3 \lg(x)$



InhaLac® 140 InhaLac® 150

Typical PSD (distribution density) of MEGGLE's milled inhalation lactose grades, InhaLac® 140 and InhaLac® 150. Analyzed by Malvern Mastersizer 3000 laser diffraction system.