

A close-up, profile view of a female scientist with blonde hair, wearing safety goggles with a yellow frame and a white lab coat. She is looking down at a piece of translucent green material she is holding. In the background, a white laboratory instrument is visible, and the overall setting is a clean, professional laboratory environment.

# Analytics of powders for inhalation

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Medfiles has extended its portfolio of analytical services to include comprehensive analytics of powder inhalation products.

Our premises have been expanded and updated and now house a fully equipped and controlled laboratory for this demanding field of analytical work.

Analytical development and validation during product development as well as method transfer and quality control of powders for inhalation are included in the service.

We can provide stability studies according to ICH guidelines, storage and full analytics including microbiological testing for these products.

Our testing battery includes for example  
the following Ph.Eur. tests:

- Uniformity of delivered dose (e.g. dose collection apparatus according to Ph.Eur.)
- Fine particle dose and particle size distribution (Ph.Eur. apparatus C: multi-stage liquid impinger, MSLI)
- Number of deliveries per inhaler for multidose inhalers

Temperature and humidity  
controlled laboratory

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