

ACGcaps™ HI

C CELLULOSE**An HPMC capsule for dry powder inhalation.**

Developed after extensive studies on powder retention, ACGcaps™ HI has been specifically engineered for use with sustainable (no propellant) dry powder inhalation devices. ACGcaps™ HI ensures accurate dosing, uniform dispersion, and efficient drug delivery to the respiratory system, enhancing drug effectiveness and patient outcomes.

Key features

- / Low powder retention for maximum dose delivery
- / Proven puncturing, cutting and twist-open performance
- / Compatible with several dry powder inhalation devices
- / Suitable for a wide range of active pharmaceutical ingredients
- / Proven machine-friendly design
- / Complies with stringent regulatory requirements for microbiological limits



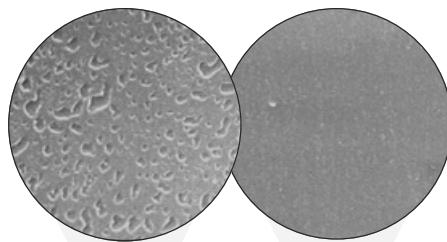
Technical specifications

- / % Powder retention: not more than 1.0%
- / Moisture content: 3.0% to 8.0%
- / Microbial limit: not more than 100 CFU

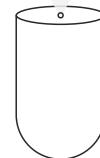
ACGcaps™ HR and ACGcaps™ HI were carefully filled with the same powder and their surfaces examined under a scanning electron microscope.

The microscopic image of ACGcaps™ HR shows extensive powder adhesion and accumulation on its surface, forming distinct clusters and patches. In contrast, the surface of ACGcaps™ HI appears smoother and cleaner, and revealing minimal powder retention on its surface. This ensures that dry powder formulations will be effectively delivered to the lungs.

EM magnification



ACGcaps™ HR



ACGcaps™ HI



These certifications are applicable to certain colours and / or variants.