

PHARMACEUTICAL CAPSULES

ACGcaps™ HL

C CELLULOSE



Make it better.

An HPMC capsule for liquid filling.

ACGcaps™ HL is a specially designed HPMC capsule for containing liquids. Created to accommodate multiple ingredients, this offers an excellent choice for low dose / high potency and low-solubility drug substances that are known to pose formulation challenges. This capsule can help significantly fast track your products to market.

Key features

- / Ideal for liquids, semi-solids, pastes, hot-melts and gels
- / Can also hold tablets, pellets, capsules (or combinations thereof) in liquid
- / Can accommodate ingredients at temperatures up to 70°C
- / Secure and tamper-proof band sealing with colours to enhance product appearance
- / Enhances the bioavailability of poorly water-soluble drugs (such as BCS Class II and IV compounds)
- / Helps resolve the formulation challenges of low dose / high potency drugs
- / Liquid-filling reduces the risk of airborne cross-contamination associated with powder filling as in the case of HPAPIs (high-potency active pharmaceutical ingredients).



Technical specifications

- / Moisture content: 3.0% to 8.0%
- / Disintegration time in water at $37 \pm 2^\circ\text{C}$: maximum 15 minutes (with guided disc)

Suitability of the viscosity of the fill

- / 100 to 2,000 cps – recommended range (which can be extended by modifying the ambient temperature)

Benefits of liquid-filled hard capsules over softgel capsules

Parameters	ACGcaps™ HL	Soft gelatin capsule
Maximum temperature of fill material	70°C	35°C
Plasticiser in shell	No	Yes
Risk of formulation migration	Very low	High (due to the presence of plasticiser)
Oxygen permeability	Low	High (due to the presence of plasticiser)
Effect of heat and humidity	Low	High (due to the presence of plasticiser)



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