PHARMACEUTICAL CAPSULES

ACGcaps™ H+

C CELLULOSE

Our cleanest HPMC capsule for consistent dissolution.
ACGcaps™ H+ is manufactured using a proprietary thermogelation technology that eliminates the need for traditional gelling agents found in most HPMC capsules. Comprising only cellulose and water ensures a pH-independent dissolution profile similar to that found in gelatin capsules, but also minimising the risk of unwanted interactions between the capsule polymer and formulation components.

Key features

- Low inherent moisture – well-suited for moisture-sensitive and hygroscopic drug substance(s) and excipients
- Can be filled with powders, pellets, granules and liquids, or combinations thereof
- Fulfils the dissolution requirement, regardless of pH or ionic strength
- Due to low inherent moisture content, it remains stable and robust on storage under a broad temperature range
- Withstands cross-linking as there is no available amino acid chain to react with aldehydic moieties present in drug substances or excipients
- No animal-derived components
- Possesses high mechanical strength and excellent machinability

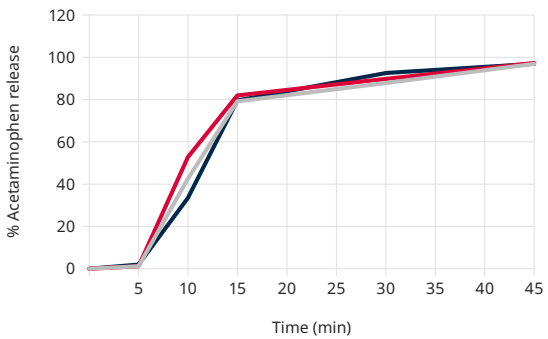
Technical specifications

- Moisture content: 3.0% to 8.0%
- Disintegration time in water at 37 ± 2°C: maximum 15 minutes (with guided disc)

Consistent dissolution performance.

An in-vitro dissolution study of ACGcaps™ H+ containing acetaminophen was conducted in three different dissolution media of varying pH and ionic strengths.

The study confirms that the dissolution of ACGcaps™ H+ is independent of pH or ionic strength, indicating consistent dissolution performance across the biological pH range.



Product	Acetaminophen Capsules
Apparatus	USP Type 2
RPM	50
Time intervals	10, 15, 30 and 45 minutes

- pH 1.2 (0.1 N HCl)
- pH 4.5 (Acetate buffer)
- pH 6.8 (Phosphate buffer)

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