

ACG

CAPSULES



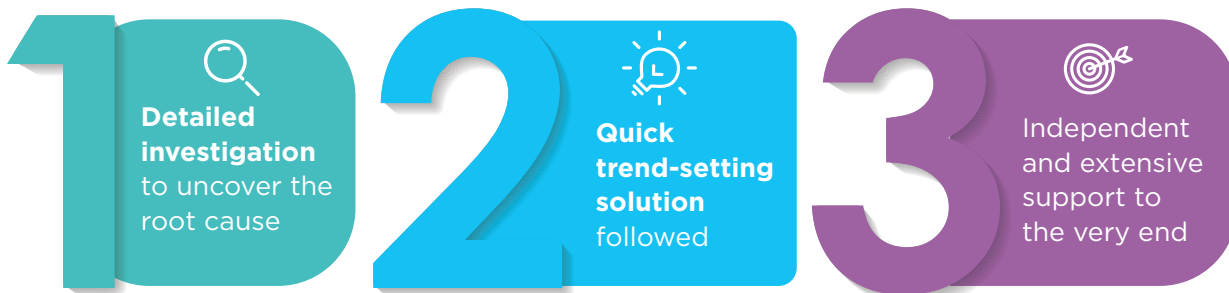
Your Proactive Problem-Solving Partner

Capsule dissolution is considered to be a critical criterion impacting clinical outcomes. Turn overleaf to know how ACG helped address a dissolution challenge.

The Problem

The molecule, which was a synthetic first generation triazole agent with antimycotic properties of one of the fastest-growing pharmaceutical companies in India, faced a puzzling dissolution challenge in its market samples. The client's internal team attributed the suboptimal dissolution to incorrect cross-linking and approached ACG for a viable solution.

ACG: Approach to the Solution



Our Investigation

- A detailed evaluation of empty capsules, APIs, excipients, and filled capsules was done.
- Cross-linking was ruled out as the cause of suboptimal dissolution.
- Molecule-molecule interaction between the ingredient and gelatin surfaced as the key issue.

Our Solution

- Re-packaged the customer's product in ACGcaps™ HR (hydroxypropyl methylcellulose [HPMC]) capsules.
- HPMC capsules overcame the molecule-to-molecule interactions and preserved the integrity of the formulation.
- Addressed this crucial challenge in record time to ensure adequate dissolution and, in turn, the right efficacy while limiting the client's risk.

Results



The customer's **product was relaunched** in HPMC capsules.



Today the brand is a **market leader in the segment**.



ACG emerged as a **trusted and reliable formulation support partner**.

ACG

The industry's preferred end-to-end provider of integrated manufacturing solutions. With our extensive experience and know-how across the value chain, we help our customers stay ahead of the curve.