



## ENTERIC COATED SOFTGELS

### Improves product performance and enhances consumer experience

Coated softgels such as enteric, delayed release and fixed dose combinations are an ideal solution for protecting the active ingredients from the harsh acidic environment of the stomach, protecting the stomach from irritating effects of certain drugs, or for co-delivery of 2 or more drugs in order to optimize product efficacy and stability. With over 80 years of global manufacturing expertise, Catalent has an extensive network of 11 facilities on 5 continents to provide full service integrated softgel manufacturing and coating capabilities. Our softgel coating capabilities offer multiple advantages over other technologies, such as:

- No risk of film coating interfering with the sealing process
- Increased robustness of the products
- Improved flexibility in the release profile of the active ingredient
- Backed by extensive softgel formulation, process development and manufacturing expertise

Catalent has the unique advantage of offering integrated softgel manufacturing and coating capabilities within our network to bring your product faster to market. This integrated approach minimizes the time between encapsulation and coating to

- Enhance product quality and efficacy
- Increase shelf life of the product
- Reduce supply lead time and safety stock

### VMS Categories fit for delayed release coating

Fish oils and other odoriferous oils

Minerals, Botanicals and other gastric irritating compounds

Enzymes and acid-sensitive nutritional supplements

Garlic and odoriferous volatile compounds

Sulphurated compounds and low density nutrients



DEVELOPMENT



DELIVERY



SUPPLY

## OTC Categories fit for enteric coating and fixed dose combination product development

Analgesics/NSAIDS

Cough and cold

Allergy

Digestive health/ Probiotics

### Key Benefits

#### Technical Benefits of Catalent's Softgel Coating Systems

- Enables delayed release of the product until passage from the stomach into the intestine
- Enhances stability of products in the acidic stomach environment
- Improved API safety/efficacy

#### Consumer Benefits of Catalent's Softgel Coating

- Helps reduce gastric irritation, especially with active that may be harsh on the stomach
- Increases consumer compliance by reducing foul-tasting burps from odoriferous supplements such as fish oil and garlic
- Easy to digest for consumers with age related digestive issues and pregnant women
- Optimizes dosage efficiency

### Catalent's Unique Advantages:

- Integrated softgel manufacturing and coating services
- Industry leader in softgel technology innovation
- Successful track record of manufacturing commercial softgel products
- New coating facility in Eberbach, Germany to complement existing global facilities
- Global reliable supply from development to commercial manufacturing

#### Catalent's softgel coating capabilities add value to your brand by

- Optimizing release profile and functional activity of the product
- Improving consumer adherence
- Expanding consumer segments

Catalent can improve the value of your brand with RP Scherer softgel technology and film coating capability

*"Our softgel coating technology can deliver excellent quality products with the desired physiological result. The integrated softgel manufacturing and coating service adds to the product performance and shelf life."*

**- Irena McGuffy, Director,  
Formulations Development,  
Catalent Pharma Solutions,  
St. Petersburg, FL**

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