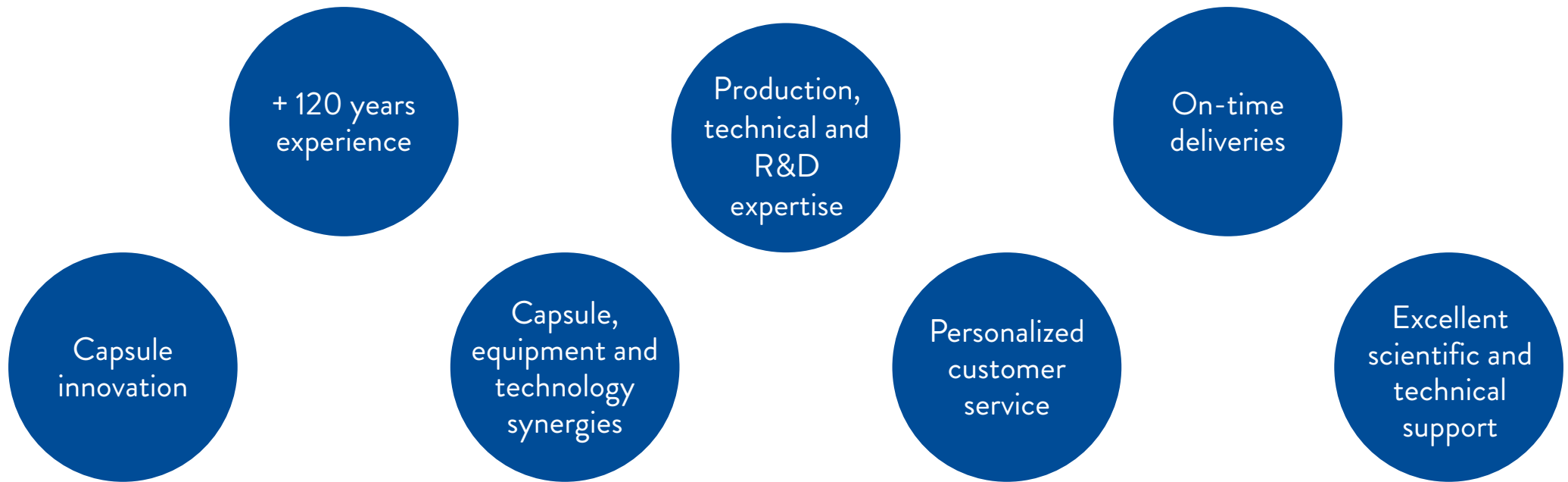




Two-piece hard capsules portfolio for **oral dosage forms**



# Capsules are the very essence of Qualicaps®



As a company dedicated to capsules, we have a unique perspective on how to contribute to health. Qualicaps® delivers pharmaceutical-grade capsules to the pharmaceutical and consumer healthcare industry, together with a comprehensive service along the product life cycle through our global team of commercial, scientific and technical experts.

Qualicaps® is a responsible company dedicated to the supply of two-piece hard capsules and related services that takes pride in producing each capsule with the aim of promoting the basic principles of wellbeing.

As one of the principal suppliers to the pharmaceutical industry, Qualicaps® also brings a wealth of expertise to the consumer health market:

- Over 120 years of capsule manufacturing experience.
- Proven track record in capsule innovation and custom capsule applications.
- Capsule, equipment and technology synergies to meet nutritional product manufacturing needs.
- Reliable, on-time deliveries (including a warehouse-available stock for rapid delivery of specific capsules).
- Commitment to personalized customer service.
- Excellent scientific and technical support.

# Contributing to the betterment of individuals, society and the Earth

KAITEKI is the foundation of the Qualicaps® corporate culture and is at the core of our strategy, our management style, and our enterprise-wide responsibility.

KAITEKI essentially means a sustainable condition that promotes wellbeing for individuals, society, and the Earth, transcending time and generations.

The way Qualicaps® integrates it into our day-to-day business differentiates us in the healthcare world, where our customers rely on ethical business partners.

For further details relating to the KAITEKI vision, please visit the [MCHC website](#).



# Pharmaceutical Applications



Qualicaps® manufactures capsules for a wide range of formulation types ranging from dry powders and pellets to pastes and liquids. We produce high-quality pharmaceutical-grade capsules, and offer them in a wide range of sizes, colors and printing options for your product to stand out in the market.

## HPMC CAPSULES



## GELATIN CAPSULES



# Hard two-piece HPMC capsules for pharmaceutical applications



Pharmaceutical Grade



100% Vegetal origin  
**QUALICAPS® INNOVATION**



Gelatin equivalent  
dissolution profile



Chemically inert



100% Automatic  
Camera Inspection  
**QUALICAPS® INNOVATION**

**Quali-V®**

The first vegetal capsule for pharmaceutical applications, setting the trend in market preference

Beyond their equivalence to gelatin in dissolution time, Quali-V® HPMC capsules present advantages for hygroscopic drugs due to their reduced moisture content (4-6%) and physical stability when filled with hygroscopic materials or exposed to low humidity conditions.

They are also chemically inert (no cross-linking reactions), enabling their use for new drug developments in solid oral dosage forms.

**Quali-V®**  
**Extra Dry** 

The cellulose capsule with extremely low moisture content for pharmaceutical applications

Quali-V® Extra Dry, with a guaranteed extremely low moisture content (2.0-3.5%).

Specifically designed for use in administering moisture-sensitive or hygroscopic pharmaceutical drugs.

Maintain their physical stability and show minimal brittleness when exposed to ambient conditions with low humidity.

ADDED VALUE CAPSULE SOLUTION

# Hard two-piece gelatin capsules for pharmaceutical applications



Pharmaceutical Grade



100% Bovine Bone  
**PREMIUM**



Preservative Free  
**QUALICAPS® INNOVATION**



100% Automatic  
Camera Inspection  
**QUALICAPS® INNOVATION**

**Quali-G™**

The first preservative-free formula in gelatin capsules, the market standard dosage form

With a very predictable dissolving drug profile, Quali-G™ capsules can be used at all stages in the development process, and finally to product launch and commercialization, as they do not undergo any changes in physical and chemical performance when empty throughout their shelf life.

**Quali-G™  
PEG**

The adaptation of the standard gelatin capsule with higher robustness

With the same disintegration and dissolution properties than the standard Quali-G™ capsules, Quali-G™ PEG capsules have demonstrated better performance in terms of brittleness (the addition of PEG gives more elasticity to the capsule).

ADDED VALUE CAPSULE SOLUTION

**Quali-G™  
PEG Extra Dry** 

The capsule specifically designed for products that have moisture-sensitive and hygroscopic properties

The dissolution profile of Quali-G™ PEG Extra Dry is identical to standard Quali-G™ capsules. When compared to standard gelatin capsules, the mechanical strength of Quali-G™ PEG Extra Dry capsules is properly preserved in low-moisture condition.

ADDED VALUE CAPSULE SOLUTION

**Quali-G™  
Liquid** 

The definitive solution for encapsulation of liquid formulations of varying viscosities

Specifically designed to contain and permanently seal low/very low viscosity liquid products, until now difficult to handle with existing capsules on the market (the preliminary tests carried out with the least viscous (9cp) products on the market have confirmed the neutralization of leaks, while extending the holding time of the liquid until banding operations are performed).

ADDED VALUE CAPSULE SOLUTION

# Consumer Healthcare Applications



Qualicaps® is contributing to proactive and preventive health and individual wellbeing by meeting the requirements of product manufacturers and the preferences of healthconscious consumers with superior quality capsules.

## HPMC CAPSULES

 **Nutra'V**

 **Nutra'V**  
*Slow*

 **Nutra'V**  
*TiO<sub>2</sub> Free*

## GELATIN CAPSULES

 **Nutra'G**

 **Nutra'G**  
*Liquid*

 **Nutra'G**  
*TiO<sub>2</sub> Free*

# Hard two-piece HPMC capsules for consumer healthcare applications



Manufactured in a cGMP  
Compliant Facility



100% vegetal origin



**VEGAN**  
Vegan certified  
(European Vegetarian Union  
V-label vegan)



Suitable for organic  
applications



Contributing to proactive and preventive health  
and individual wellbeing

With a low moisture content and excellent dissolution profile, this Clean label HPMC capsule provide a superior and high-performance solution that make these capsules ideal for a broad range of nutraceutical and nutritional applications.

Nutra'V meet the increasing clean-label demands of health-conscious consumers, as well as the specific dietary needs of vegetarians and vegans.



Incorporating inherent delayed-release  
functionality into a capsule

Nutra'V Slow capsules are specifically designed to target moisture-sensitive and acid-labile ingredients by slowing down capsule rupture and release of contents.

Offering additional protection of ingredients from stomach acidity, this coated-free capsule facilitates product benefits thanks to a more appropriate delivery, while reducing the risk of unpleasant odors, aftertaste and reflux.

ADDED VALUE CAPSULE SOLUTION



Specifically designed to meet growing demand for  
food supplements that do not contain titanium dioxide

Nutra'V TiO<sub>2</sub> free capsules have a high opacifying capability that make them ideal for ingredient masking.

Available in 6 colors and diversity of size and printing options for differentiation in final market dressing.

ADDED VALUE CAPSULE SOLUTION



# Hard two-piece gelatin capsules for consumer healthcare applications



Manufactured in a cGMP  
Compliant Facility



100% Bovine Bone  
PREMIUM



Preservative Free  
QUALICAPS®  
INNOVATION



Mask taste  
and odor

## Nutra'G

Responding to the ever-increasing needs of the Consumer Healthcare market

This rapid dissolving capsules feature an exclusive self-locking system that is designed for optimum performance in filling, and to ensure that the product reaches the consumer intact and protected from external contamination.

Nutra'G capsules, made from 100% bovine bone gelatin, are acceptable for consumption within certain religious and dietary constraints.

## Nutra'G Liquid

The capsule specifically designed for products that have moisture-sensitive and hygroscopic properties

Nutra'G Liquid capsules are the perfect complement to ingredients in liquid form for a rapid release of contents, and a quicker onset of their intended therapeutic effect. With a reduced time for product development and scale-up, liquid-filled hard capsules enable an earlier market entry for finished products.

In addition to contributing to a distinct brand identity, the specific design of this capsule guarantees a minimal deformation effect after filling operations.

ADDED VALUE CAPSULE SOLUTION

## Nutra'G TiO<sub>2</sub> Free

Specifically designed to meet growing demand for food supplements that do not contain titanium dioxide

Nutra'G Titanium dioxide-free (TiO<sub>2</sub>-free) capsules are specifically designed to meet the growing demand for food supplements that do not contain titanium dioxide.

Available in more than 20 colors and diversity of size and printing options for differentiation in final market dressing.

ADDED VALUE CAPSULE SOLUTION

# Driving solutions inspired by our customer's challenges

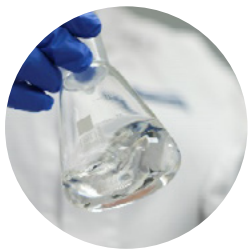
Besides a dedicated capsules R&D center in Japan allowing for the development of potentially new types of capsules' compositions, **Qualicaps® operates a dedicated capsules customization center in its Alcobendas (Madrid), Spain facility.**

Our capsules 'customization center allows to **develop tailor-made capsules solutions for our customers** to:

- **meet specific requirements / specifications** (weights, additional controls, etc.)
- **enhance distinctive brand images and product differentiation** (colors and print options)
- **revitalize brands** by reintroducing existing formulation in a new attractive format

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## Capsules' customization Center



R&D



Production



QA/QC



Technical engineering



Regulatory



Marketing

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