

Enabling a Healthier World

Lonza

Capsules & Health
Ingredients

Capsugel® Plantcaps® capsules

The more natural choice



Discover

Capsugel® Plantcaps®
the more natural
alternative for the
savvy green consumer



The more natural choice

Capsugel® Plantcaps® capsules from Lonza are the premium capsules designed for the needs of the growing and very discerning healthy lifestyle market. Today more than three-fourths of all U.S. adults take dietary supplements, the highest overall usage to date.¹ And emerging values are impacting the category. Today, 62% of supplement users report Non-GMO as important and 56% report organic as important when choosing products. These two attributes are among those showing the most growth since 2013 at 117% and 90%, respectively.² In 2022, more than 73% of supplement consumers reported they are influenced by the presence of organic ingredients when deciding to purchase with 54% reporting they would be willing to pay more for the product.³

Today's healthy lifestyle consumer is savvy. Not content to take labels at face value, they investigate everything they put into their bodies, especially their supplements. They seek "real" ingredients—with no artificial chemicals, pesticides or preservatives. They want to be certain that each ingredient is safe and proven, because they're conscientious about maintaining their health. This commitment to a green lifestyle extends beyond diet and nutrition and into every aspect of their lives. They want products that have the attributes that fit their lifestyle, but they don't wish to sacrifice quality or performance.



Capsugel® Plantcaps® capsules are **everything your green consumers want in a capsule**, with nothing they don't.

Meets the needs of consumers' healthy lifestyles

- **Made with organic labeling** allowed in the U.S. when filled with organic ingredients*
- A vegetarian capsule that **meets important product claims**: starch-free, gluten-free, preservative-free, vegetable origin, non-GMO
- **Meets dietary needs**, certifications include GRAS status, Halal and Kosher
- Helps **mask taste and smell**
- Beautiful, **crystal-clear transparency**, with high luster
- **Manufactured in accordance to cGMP guidelines**, with a certified quality assurance system for traceability of raw materials
- **Allowed for use in Japan**

A plant-based capsule made from tapioca created through natural fermentation

Proven in the food and pharmaceutical markets for more than 25 years



Capsugel® Plantcaps® ease of use

Provides ease of formulation

- **Disintegration/dissolution profile**
equal to gelatin
- The **best oxygen barrier properties**
of any vegetarian capsule material
- **Non-reactive shell** can help eliminate “spotting”
concerns, works well with Vitamin C
- **Patented formula** provides robust performance
with a wide range of ingredients

Proven filling performance

- **Highly stable**; proven under
accelerated aging conditions
- **Excellent machinability** on all capsule filling
machines, equivalent to gelatin capsules
- **Compatible with wide range of excipients**

Key performance claims

- All the benefits of gelatin
in a vegetarian capsule
- Organic label language allowed in the
U.S. when filled with organic ingredients*
- The more natural alternative, starch-free,
gluten-free, preservative-free, vegetable
origin and non-GMO
- The best oxygen barrier properties
of any vegetarian capsule
- Suitable for Asian regulatory environments



**Available for liquid
and powder-filled**



Capsugel® Plantcaps® capsules help protect ingredients and healthy lifestyles

Capsugel® Plantcaps® capsules provide the premier balance of performance and purity for healthy lifestyle consumers who are looking for naturally healthy attributes in the products they buy. Made from tapioca which is naturally fermented into pullulan, a starch-free vegetarian capsule, Capsugel® Plantcaps® capsules speak to the needs of the most discerning consumer. Capsugel® Plantcaps® capsules provide all of the benefits of gelatin capsules while still meeting the dietary needs of vegetarian and vegetarian-aware supplement users. They deliver the product claims that healthy lifestyle customers look for when making purchase decisions, like starch-free, gluten-free, preservative-free, vegetal origin and non-GMO. They are the more natural capsule alternative and they meet dietary needs, with GRAS status, Halal and Kosher certifications.



Success requires more
than just a great capsule

With a commitment to innovation,
Lonza offers:

- Extensive global supply capability
- State-of-the-art process controls
- Formulation support, technical support
and filling/sealing equipment
- ISO, GMP, Kosher, Halal, non-GMO
and Vegetarian certifications

Together
we enable a
healthier world

Contact us or your Lonza Capsules & Health Ingredients
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1. Council for Responsible Nutrition, 2020 Consumer Survey on Dietary Supplements
2. Supplement, Over-the-counter and Dietary Supplement Study, NMI Research, 2019
3. OSDF Usage & Attitude Study, December 2022

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