

INTRODUCING
CHEWGELS™ :
CHEWABLE SOFTGEL
TECHNOLOGY



Chew
gels



Softi
Sel
WE DO IT
BY PROCAPS

PROCAPS AT A GLANCE



Procaps is a **Pharmaceutical Group** dedicated to delivering innovation, health and nutrition.



We work **hand in hand** with our customers and develop products that exceed their expectations.



+70 Scientists and Technicians in R&D;
Devoted team for Client/markets.



A leading marketer of **advanced-softgel related technologies.**



Unparalleled Scientific Expertise:
With more than 500 formulations, developing more than 50 products per year.



Our major production facilities are located in **Colombia, Brazil, and El Salvador.**



We employ over **5,000 people across 13 countries.**



Our products are sold & distributed in over **50 countries.**



Our Vertical Integration & Flexibility give us greater market reach & customer relevance.

OUR DNA

This is our Value Proposal

ADAPTABILITY

We adapt to our customers needs with **various options**, we develop products and services with **speed** and support required.



02

DIFFERENTIATION

We bring **differentiation** to your product category through our **innovation, robust formulations** and our **technology platforms**.

03



01



VALUE

We know the value chain of a product; **from the market, product design, gelatin manufacturing, line extensions** and in some cases even reinvention of products.

04



EXCEPTIONAL Experience

As a result, our customer gets for their consumers, high acceptance and **superior adherence** to therapy, **benefit** its profitability and brand **positioning**.



Chew gels

powered by: **Fun**-trition!™



Expand your portfolio with new dosage forms that are convenient and filled with great flavor.

Discover our Chewable Softgel Platform Chewgels™, chewable soft capsules as a **solution and line extension to existing or new products**. With new **ingredients, special shapes and flavors**, we can offer our customers a range of formulations for different therapeutic lines.

BACK- GROUND



Source: What Are the Benefits of Chewable Vitamins?
<http://healthyating.sfgate.com/benefits-chewable-vitamins-8933.html>

OPPOR- TUNITIES



2017 Annual Survey on Dietary Supplements, Council for Responsible Nutrition (CRN).
Divate S et al. "Fast Disintegrating Tablets - An emerging trend." *Int. J. of Pharm. Sci. Rev. and Res.* 2011;6:2:18-22.
Kumari S et al. "Fast Dissolving Drug Delivery System - Review Article." *J Pharm Res.* 2010;3:6:1444-1449.
Hutchins R et al. "Quantifying the Utility of Taking Pills for Cardiovascular Prevention." *Circ Cardiovasc Qual Outcomes.* 2015;8:155-163.

CHEWGELS™ ADVANTAGES



Soft chewable capsules that can be easily ruptured, simply swallowed and rapidly dissolved, leaving a good mouth feel.



Wide range of fill and shell formulations, flavors and sweeteners.



Shell solubility and stability assurance.



Portable exact dose form: within our chewable bursts the fill content may contain solutions, suspensions, pastes and emulsions.



Non sticky softgel due to its drying process.



We count with the ability to select the right gelatin and appropriate excipients to hold the ingredients and the flavoring.



Lipid coating of the API for special taste masking applications.



CHEWGELS™ CONSUMER BENEFITS



No water needed: Taken easily on the run without water or food.



Easy to swallow: Suitable for children or senior adults who often reject traditional dosage forms.



Fast effect: Immediate release and absorption in the mouth and stomach.



Great taste: Our Chewgels™ technology delivers ingredients that consumers love and ensures an ongoing consumption.

CHEWGELS™

DESCRIPTION

- 1. Fill content:** Solutions, suspensions, pastes, o/w emulsions
- 2. APIs:** fish oil, calcium + vitamin D3, multivitamins, analgesics; among others.
- 3. Load capacity:** up to 30% (fill content)

Tests:

- Chewability
- Solubility of the shell (residues)
- Taste masking
- Stickiness and film integrity (machinability)





CHEWGELS™ COMPOSITION

SHELL COMPOSITION

Component

Gelatin
Modified Starch
Glycerol
Microcrystalline cellulose
Citric acid
Titanium dioxide
Flavors
Water
FD&C colors
Sucralose

Function

Polymer
Polymer,
Texturizer agent
Plasticiser
Texturizer agent,
anti-tacking agent
Acid Agent
Opacifier
Flavor
Vehicle
Colorant
Sweetener

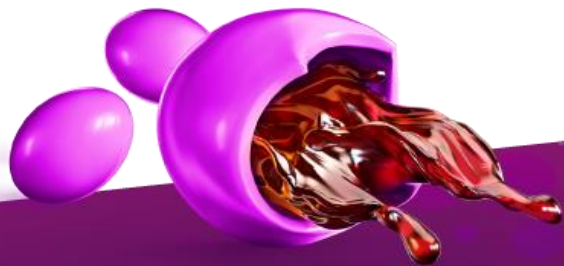
FILL CONTENT COMPOSITION

Component

APIs
Waxes
Medium chain triglycerides MCT
Citric acid
Lecithin
Flavors
Mannitol
Sucralose/
Aspartame
Others

Function

Suspending Agent
Vehicle
Acid Agent
Emulsifiers
Flavor
Sweetener
Acid Agents, Color



Suitable for **pharmaceutical compositions**, nutraceuticals, vitamins, nutritional supplements, and **similar products**.

At least **one plasticizer** in an amount selected for flexible composition of shell.

Comprises at least **one starch** with a range from **0.1% to 35%** of the total weight of the composition of the shell.

A gelatin that **ranges from 20% to 60%** of the total weight of the composition of the shell.

CHEWGELS™ APPLICATIONS

LINE
extensions



BRAND
differentiation



CUSTOMI-
ZABLE
products



SUGAR-FREE
formulations





CHEWGELS™

VS.

Supplement **GUMMIES**
(compared to Omega-3 gummies)



CHEWGELS™

- Accurate dosing
- Content uniformity
- Liquid fill contents
- Low sugar content
- Stability (oxygen, light, temperature)

CONTENT	 CHEWABLE SOFTGELS (2 chewable softgels)	 GUMMIES (3 gummies)
Sugar (g)	0 g	4 g
Eicosapentaenoic Acid (EPA) (mg)	50 mg	15 mg
Docosahexaenoic Acid (DHA) (mg)	200 mg	75 mg

SOME PRODUCT IDEAS



Delicious chewable soft capsules with calcium, vitamin D and magnesium for healthier bones and stronger teeth.
Calcium: 400 mg
Vitamin D: 300 UI
Mg: 30 mg



Orange flavored chewable capsules with Omega-3 Omega 3 DHA + Vitamins to support easy learning and a healthy brain.
Omega-3: 210 mg
Vitamin A: 450 mcg
Vitamin C: 30 mg
Vitamin E: 10 mg



Vitali-D: Vitamin D essential in the maintenance of calcium and phosphorus homeostasis, consequently affecting bone formation
Vitamin D: 800 UI



Stay energized with our coffee extract chewable capsules.
Soluble coffee: 30 mg



THANK You!



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