



Bringing Healthcare Innovation to Market

Nutraceuticals White Label Catalog

Looking for innovation to diversify and expand your product range?

The market offers a wide range of different dosage forms for health supplements, which can make it difficult to choose the right format to use in differentiating from competitors.

At Fertin Pharma, we specialize in developing tasty and attractive dosage forms that provide consumers a pleasurable experience every time they consume their supplements.

Fertin's white label products are a fast way to establish or expand your own brand with novel dietary supplements that promote health and increase treatment adherence.

It is our job to make it easy for you to create a highly competitive formula quickly and efficiently.

Our products are characterized by:

- ✓ Pleasurable mouthfeel with the right flavor and texture, thanks to our highly experienced R&D team, which is specialized in sensory optimization, and our extensive experience in the pharma, food and confectionery industries.
- ✓ Effective delivery of active ingredients thanks to our extensive knowledge of oral and intra-oral delivery of the right active ingredient to the right location at correct time.
- ✓ Convenient products that are easy to take with you, are discreet and can be taken without the need of water.

Quality

We ensure reliable and consistent quality of every product leaving our facilities. Our manufacturing facilities and standard production routines comply with the rigid cGMP (current Good Manufacturing Practice) and the highest EU standards.



Proven track record

Fertin works with leading global brands as well as store labels. Our products are used by consumers all around the world.

Heritage

Fertin creates effective products with a pleasant taste and mouthfeel, building on 100 years of history in chewing gum and more than 30 years' pharmaceutical experience.

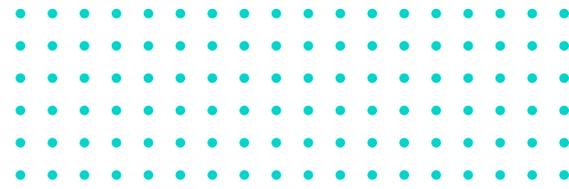


Innovation & Uniqueness

Fertin products are protected by a strong portfolio of patents. We have been granted more than 100 patents, including some regarding taste masking and release profiling.



What makes Fertin's products unique



Pleasurable mouthfeel

Tastemasking some active ingredients can be difficult. Thus, many supplements have a bad taste or leave a bad aftertaste in the mouth. Thanks to our expertise in designing specific mouthfeels (flavors and textures), our products are attractive to consumers.



Controlled release of actives

Not all active ingredients can be absorbed by the body at the same speed or location. Thanks to Fertin's controlled release technology, it is possible to design the profile of each product to deliver the active ingredients in the oral membrane as they navigate through the throat and gastrointestinal tract, enabling a targeted delivery of the ingredients.



Sugar free

Several dosage forms such as gummies or liquids are typically made with added sugar in order to make them more tasty. However, this can have a negative effect on the overall health, especially dental health.

Fertin products are manufactured with sugar alcohols such as xylitol, erythritol or sorbitol. These sweeteners can be found naturally in fruit and vegetables and contain fewer calories than sugar.



No need for water

Fertin products can be taken without any water. This makes our products convenient for consumers as they can bring and take them wherever they go.



On-the-go products

Big, bulky packaging of products makes it difficult for consumers to take their supplements on the go. Fertin's products are packed in blistercards which not only ensure hygiene and freshness of the product but also makes it easy to bring anywhere.





Compressed Gum Controlled Release of Actives

Benefits:



Controlled delivery
of functional ingredients
(slow and/or fast)



Optimal for buccal absorption
of the functional ingredients



Superior mouthfeel experiences with
the possibility of crunchy flavor burst
and long-lasting flavor duration



Promotes good oral hygiene
and stimulates the senses

Fertin's Compressed Gum is composed of powdered ingredients, with the active ingredients added loosely and not pre-incorporated into the "sticky" gum base. This facilitates the release of active ingredients into the saliva during chewing, which ultimately means that it delivers faster release rates of active ingredients than conventional chewing gum.

Fertin's patented bi-layered compressed gum technology is well suited for the inclusion of active ingredients due to a dry and cool manufacturing process which is ideal for sensitive ingredients. Furthermore, the powder base of the gum ensures an efficient release of the active substances.

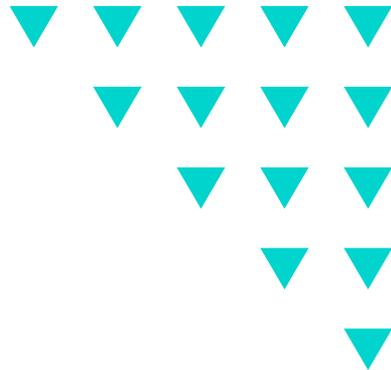
The compressed gum allows the release of different functional ingredients in a controlled way in order to obtain the required release profile and a pleasant experience at the same time.

Method of Use:

Chew the tablet for at least 5 min. and dispose
(optimal chewing time depends on specific formulation)



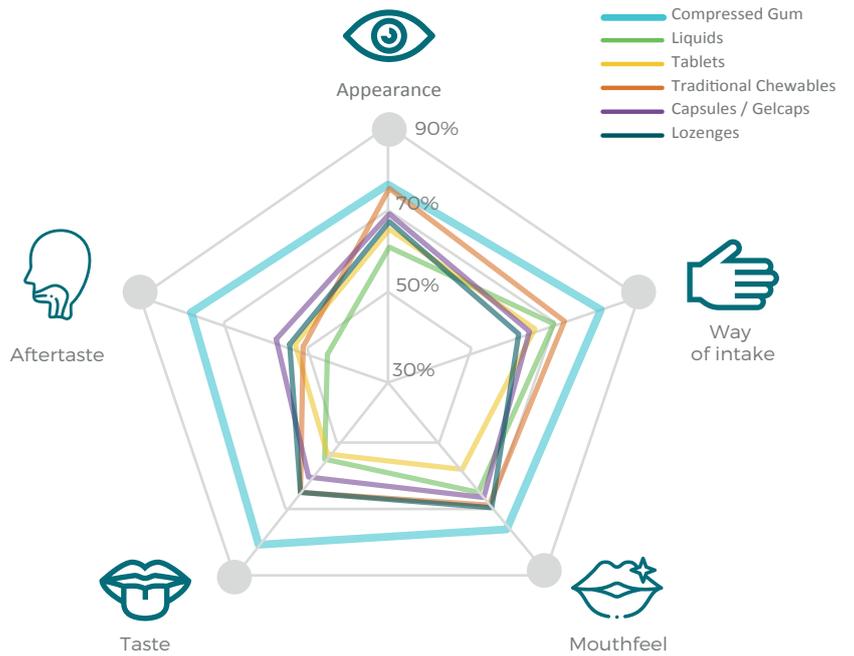
The voice of the consumer



Product Life Cycle

In a recent study commissioned by Fertin Pharma with more than 250 participants in the US, consumers rated the compressed gum higher than some of the most common dosage formats on the market with regards to the life cycle of the product.

+80%
of respondents expressed a high overall liking for Fertin's Compressed Gum*



Quality Attributes

When asked to rate the most important quality parameters for their vitamins, supplements and OTC products, consumers rated the Compressed Gum higher than the most common dosage formats on the market.



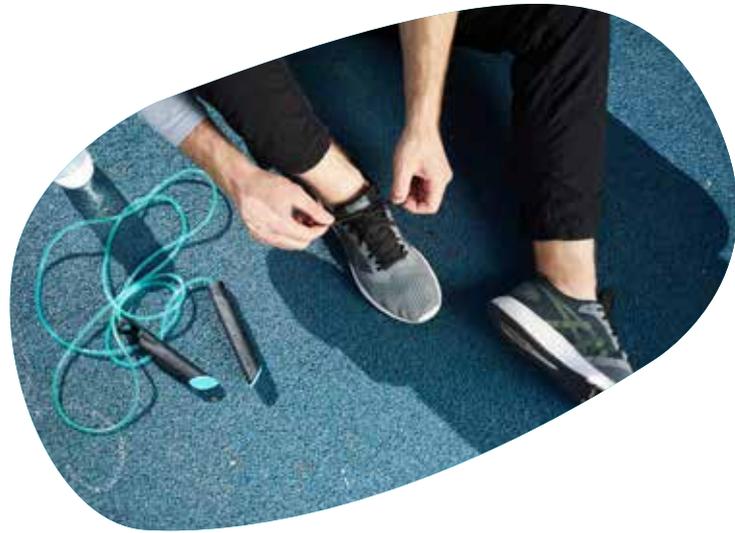
*Fertin Study by IPSOS Research Bureau Sept. 2019 - among 250 US Consumers

Energy & Alertness

More and more people have realized the benefits that energy supplements can bring to their busy days, with expectations of improved mental and physical performance, alertness and mood.

Caffeine which exists in drinks such as coffee as well as in drug dosage forms on the global market is among the materials that increase alertness and decrease fatigue. Compared to other forms of caffeine products caffeine gum can create faster and more prominent effects.¹⁾

Fertin's patented energy and alertness products contain energy stimulating active ingredients such as caffeine and B-vitamins. They may be marketed either as dietary or food supplement, depending on local regulations.



Sugar Free



Lactose Free



Soy Free



Gluten Free



Vegetarian

Benefits of Energy & Alertness Gum

- ✓ Easy to use, without the need for water
- ✓ Suitable for people who have difficulty swallowing
- ✓ Rapid onset of action
- ✓ Lesser side effects because the active substances are absorbed buccally without passing through the primary hepatic metabolism
- ✓ Less risk of overdosing

Shelf Life:

24 months

5x
faster absorption of caffeine than other formats as coffee and energy drinks²

According to the European Food Safety Authority (EFSA) an intake of up to 400mg of caffeine is considered safe for adults.

400mg =
caffeine³



5.2x
shots of espresso (44ml)



5x
energy drink (250 ml)



2x
energy shot (59 ml)



11.7x
cans of coke (354 ml)



1.25x
caffè americano (473 ml)

Sources:

1) Aslani A, Jalilian F. Design, formulation and evaluation of caffeine chewing gum. Adv Biomed Res. 2013;2:72. Published 2013 Jul 30. doi:10.4103/2277-9175.115806

2) Kamimori, G.H. et al. (2002): The rate of absorption and relative bioavailability of caffeine administered in chewing gum versus capsules to normal healthy volunteers. Int J Pharm Mar 2;234(1-2): 159-167 2. Energy Food and Drinks: Global Markets. BCC Research Report, March 2012

3) Caffeine Informer "Caffeine Safe Limits". <https://www.caffeineinformer.com/caffeine-safe-limits>.

Standard Product Offering



Alertness 40mg

Packaging option	Flavor	Color	Tablet size (mm)	Tablet weight (gr)	MOQ	IOQ	Lead time (weeks)
Blister with 8 tablets	Peppermint	Blue/White	16	2	138,000 blist.	46,000 blist.	16
Blister with 10 tablets	Peppermint	Blue/White	16	2	110,000 blist.	37,000 blist.	16
Bulk (12kg)	Peppermint	Blue/White	16	2	185 bags	62 bags	16

Ingredients: Sweetener (xylitol), gum base, sweetener (sorbitol), flavourings, caffeine, colours (E171, E132), sweeteners (sucralose, acesulfame K), antioxidant (E321)

Recommended daily intake: Max 10 pieces

	Per tablet	%NRV
Caffeine	40 mg	-

Energy 50mg

Packaging option	Flavor	Color	Tablet size (mm)	Tablet weight (gr)	MOQ	IOQ	Lead time (weeks)
Blister with 8 tablets	Peppermint	Blue/White	16	2	137,000 blist.	46,000 blist.	16
Blister with 10 tablets	Peppermint	Blue/White	16	2	109,000 blist.	36,000 blist.	16
Bulk (12kg)	Peppermint	Blue/White	16	2	182 bags	61 bags	16

Ingredients: Sweetener (xylitol), gum base, sweetener (sorbitol), flavourings, caffeine, colours (E132), sweeteners (sucralose, acesulfame K), vitamins (niacin, vitamin B6, vitamin B12), antioxidant (E321)

Recommended daily intake: 2 pieces

	Per tablet	%NRV
Caffeine	50 mg	-
Niacin	2.4 mg	15%
Vitamin B6	0.216 mg	15.4%
Vitamin B12	0.378µg	15.1%

Energy 100 mg

Packaging option	Flavor	Color	Tablet size (mm)	Tablet weight (gr)	MOQ	IOQ	Lead time (weeks)
Blister with 8 tablets	Peppermint	Blue/White	16	2	137,000 blist.	46,000 blist.	16
Blister with 10 tablets	Peppermint	Blue/White	16	2	109,000 blist.	36,000 blist.	16
Bulk (12kg)	Peppermint	Blue/White	16	2	182 bags	61 bags	16

Ingredients: Sweetener (xylitol), gum base, sweetener (sorbitol), flavourings, caffeine, colours (E171, E133), sweeteners (sucralose, acesulfame K), vitamins (niacin, vitamin B6, vitamin B12), antioxidant (E321)

Recommended daily intake: 2 pieces

	Per tablet	%NRV
Caffeine	100 mg	-
Niacin	2.6 mg	15%
Vitamin B6	0.216 mg	15.4%
Vitamin B12	0.37µg	15.1%

MOQ: Minimum Order Quantity **IOQ:** Incremental Order Quantity
Local safety regulations may apply
Above information is based on European value information

Multivitamins

Vitamins are essential nutrients that your body needs in small amounts to work properly. By having a healthy, balanced diet, people can get all the vitamins and minerals they need from their food.

Nevertheless, most people do not consume an optimal amount of vitamins by diet alone. Suboptimal intake of some vitamins is a risk factor for chronic diseases and common in the general population, especially the elderly¹. In a systematic review of the vitamin literature, Fairfield and Fletcher concluded that it appears prudent for all adults to take vitamin supplements¹. However, given that approximately 22% of people over 50 years suffer difficulties when swallowing², it is crucial that the administration of multivitamins be available through easy, flavorful and convenient dosage forms.



Sugar Free



Lactose Free



Soy Free



Gluten Free



Vegetarian

Benefits of Multivitamin Gum

- ✓ Each tablet supply 25% of the NRV of 10 essential vitamins aimed to support the immune system, hair and skin, and reduce tiredness and fatigue.
- ✓ Convenient and enjoyable format, with no need for water
- ✓ Efficient release of the vitamins into the body
- ✓ Reduced risk of overdosing
- ✓ The popularity of chewing gum could increase compliance compared to other supplement forms

Shelf Life:

18/24 months depending on formulation

Benefits

Vitamin D	Vitamin D contributes to the maintenance of normal bones ³
Vitamin E	Vitamin E contributes to the protection of cells from oxidative stress ³
Vitamin K	Vitamin K contributes to normal blood clotting ³
Vitamin C	Vitamin C contributes to normal energy-yielding metabolism ³
Vitamin B1	Helps convert food into energy. Needed for healthy skin, hair, muscles, and brain and is critical for nerve function.
Niacin	Niacin contributes to the reduction of tiredness and fatigue ³
Vitamin B6	Vitamin B6 contributes to normal psychological function ³
Folic Acid	Vital for new cell creation. Helps prevent brain and spine birth defects when taken early in pregnancy
Vitamin B12	Vitamin B12 contributes to the normal function of the immune system ³
Biotin	Biotin contributes to normal macronutrient metabolism ³

Sources:

1) Fletcher, Robert & Fairfield, Kathleen. (2002). Vitamins for Chronic Disease Prevention in Adults. JAMA : the journal of the American Medical Association. 287. 3127-9. 10.1001/jama.287.23.3127.

2) ASHA 2008, "Adult Dysphagia". https://www.asha.org/PRPSpecificTopic.aspx?folderid=8589942550§ion=Incidence_and_Prevalence consulted June 2020.

3) Harvard Health Publishing. Harvard Medical School. "Listing of vitamins" November 2018. https://www.health.harvard.edu/staying-healthy/listing_of_vitamins (consulted June 2020).

Standard Product Offering

Multivitamin Gum



Packaging option	Flavor	Color	Tablet size (mm)	Tablet weight (gr)	MOQ	IOQ	Lead time (weeks)
Blister with 8 tablets	Spearmint	Green/White	16	2	210,000 blisters	105,000 blisters	16
Blister with 10 tablets	Spearmint	Green/White	16	2	168,000 blisters	84,000 blisters	16
Bulk bags (12kg)	Spearmint	Green/White	16	2	280 bags	140 bags	16
Blister with 8 tablets	Peppermint	Blue/White	16	2	280,000 blisters	105,000 blisters	16
Blister with 10 tablets	Peppermint	Blue/White	16	2	210,000 blisters	84,000 blisters	16
Bulk bags (12kg)	Peppermint	Blue/White	16	2	280 bags	140 bags	16

Ingredients: Sweetener (isomalt), gum base, flavourings, vitamins (vitamin C, niacin, vitamin E, vitamin B6, thiamine (vitamin B1), folic acid, vitamin K1, biotin, vitamin D3, vitamin B12), colours (titanium dioxide, brilliant blue FCF), sweeteners (acesulfame K, sucralose), antioxidant (BHT).

Recommended daily intake: 2-4 pieces

	Per tablet	%NRV
Vitamin D	1.25 µg	25%
Vitamin E	3 mg	25%
Vitamin K	18,75 µg	25%
Vitamin C	20 mg	25%
Vitamin B1	0.275 mg	25%
Niacin	4 mg	25%
Vitamin B6	0.35 mg	25%
Folic Acid	50 µg	25%
Vitamin B12	0.625 µg	25%
Biotin	12.5 µg	25%



MOQ: Minimum Order Quantity **IOQ:** Incremental Order Quantity
Local safety regulations may apply
Above information is based on European value information

Oral Care

Sugar-free chewing gum is generally known to promote healthy oral hygiene¹. Fertin Pharma's Oral Care products combine the benefits of chewing gum and the properties of various active ingredients which results in more effective oral care product, as active ingredients are released directly into the oral cavity when chewing gum, activating the local effect.

Fertin Pharma's oral care products prevent bad breath and provide instant breath freshness. The unique combination of active ingredients helps protect the teeth.

Dental plaque acids are a risk factor in caries development. Chewing sugar-free gums helps neutralize plaque acids and contributes to daily oral hygiene.



Sugar Free



Lactose Free



Soy Free



Gluten Free



Vegetarian

Benefits of Oral Care Gum

- ✓ Protects the teeth and offers instant refreshment
- ✓ Fresh and long-lasting taste
- ✓ Zinc reduces the volatile sulfur gases (VSCs) that cause bad breath
- ✓ Fluoride contributes to the maintenance of tooth mineralisation
- ✓ Xylitol for inhibiting plaque growth

Shelf Life:

24 months

According to the American Dental Association (ADA) chewing sugarless gum for 20 minutes following meals can help prevent tooth decay.²⁾



Sources:

1) Mehta, Farhad & Keservani, Raj & Karthikeyan, Chandrabose & Trivedi, Piyush. (2010). Chewing gum as a drug delivery system. Archives of Applied Science Research. 2. 79-99.

2) American Dental Association ADA. "Chewing Gum to Prevent Cavities" <https://www.mouthhealthy.org/en/az-topics/c/chewing-gum>

Standard Product Offering

Breath Freshener



Packaging option	Flavor	Color	Tablet size (mm)	Tablet weight (gr)	MOQ	IOQ	Lead time (weeks)
Blister with 8 tablets	Strong Mint	Blue/White	16	2	161,000 blisters	54,000 blisters	16
Blister with 10 tablets	Strong Mint	Blue/White	16	2	129,000 blisters	43,000 blisters	16
Bulk bags (12kg)	Strong Mint	Blue/White	16	2	215 bags	72 bags	16
Blister with 8 tablets	Eucalyptus	White/White	16	2	161,000 blisters	54,000 blisters	16
Blister with 10 tablets	Eucalyptus	White/White	16	2	129,000 blisters	43,000 blisters	16
Bulk bags (12kg)	Eucalyptus	White/White	16	2	215 bags	72 bags	16

Ingredients (Strong Mint): sweetener (xylitol 38.8%), gum base, sweetener (sorbitol), flavourings, mineral (zinc acetate), colours (titanium dioxide, brilliant blue FCF, indigo carmine), sweeteners (aspartame, sucralose, acesulfame k), mineral (sodium fluoride), antioxidant (BHT).

Recommended daily intake: up to 5 pieces a day

Ingredients (Eucalyptus): sweetener (xylitol 34%), gum base, sweetener (sorbitol), flavourings, bulking agent (calcium carbonate), mineral (zinc acetate), colour (titanium dioxide), sweeteners (aspartame, sucralose, acesulfame k), acidity regulator (sodium hydrogen carbonate), mineral (sodium fluoride), antioxidant (BHT)

Recommended daily intake: up to 5 pieces a day

	Per tablet	%NRV
Zinc	1.8 mg	18%
Fluoride	0.12 mg	3.4%
Xylitol	0.77 g	-

Breath Freshener with Green Tea

Packaging option	Flavor	Color	Tablet size (mm)	Tablet weight (gr)	MOQ	IOQ	Lead time (weeks)
Blister with 8 tablets	Strong Mint	Green/white	16	2	140,000 blisters	47,000 blisters	16
Blister with 10 tablets	Strong Mint	Green/white	16	2	112,000 blisters	38,000 blisters	16
Bulk bags (12kg)	Strong Mint	Green/white	16	2	186 bags	62 bags	16

Ingredients: sweetener (xylitol 44%), gum base, sweetener (isomalt), flavourings, green tea extract, sweeteners (sucralose, acesulfame K), colours (riboflavin, brilliant blue FCF), sodium fluoride, antioxidant (BHT)

Recommended daily intake: up to 3 pieces a day

	Per tablet	%NRV
Fluoride	0.175 mg	5%
Green tea extract	4.17 mg	-

Breath Freshener Anti-plaque

Packaging option	Flavor	Color	Tablet size (mm)	Tablet weight (gr)	MOQ	IOQ	Lead time (weeks)
Blister with 8 tablets	Strong Mint	Blue/White	16	2	161,000 blisters	54,000 blisters	16
Blister with 10 tablets	Strong Mint	Blue/White	16	2	130,000 blisters	43,000 blisters	16
Bulk bags (12kg)	Strong Mint	Blue/White	16	2	215 bags	72 bags	16

Ingredients: Sweeteners (xylitol 33.7%, sorbitol), gum base, bulking agent (dicalcium diphosphate 3.4%), flavourings, mineral (zinc acetate), colour (titanium dioxide), sweeteners (aspartame, sucralose, acesulfame K), acidity regulator (sodium hydrogen carbonate), mineral (sodium fluoride), antioxidant (BHT)

Recommended daily intake: up to 5 pieces a day

MOQ: Minimum Order Quantity **IOQ:** Incremental Order Quantity
Local safety regulations may apply
Above information is based on European value information

	Per tablet	%NRV
Zinc	1.8 mg	18%
Fluoride	0.12 mg	3.4%
Xylitol	0.674 g	-
Dicalcium phosphate	0.068 g	
Etheric Oils	0.008 g	

Digestion & Nutrition



Despite the existence of a broad health and wellness movement, unhealthy lifestyle trends (i.e. poor diets, sedentary work and increased levels of stress) are having a detrimental impact on digestive health. In these cases, consumers are relying more heavily on digestive remedies to relieve and prevent increasingly common ailments.

Studies have shown benefits associated with calcium carbonate's antacid properties by decreasing heartburn and indigestion neutralizing stomach acids¹. Calcium carbonate gum effectively neutralizes esophageal acidity and relieves symptoms following a meal. It is superior to chewable antacids in terms of the duration of heartburn relief².



Sugar Free



Lactose Free



Soy Free



Gluten Free



Vegetarian

Benefits of Antacid Gum

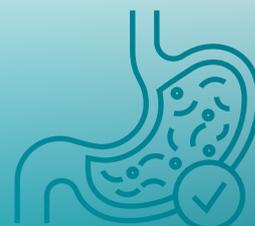
- ✓ Convenient and discreet
- ✓ Fast onset of action to relieve acid indigestion and heartburn
- ✓ Sugar-free
- ✓ Cool and refreshing mint flavor helps getting rid of the bad taste in the mouth.

Shelf Life:

24 months

Did you know?

Since chewing gum increases salivary flow, it can also assist in acid clearance in the esophagus via that increase in secretion and swallowing. Gum chewing may reduce symptoms for those with gastroesophageal reflux conditions also known as GERD and laryngopharyngeal reflux (LPR)².



Sources:

1) Collings KL, Rodriguez-Stanley S, Proskin HM, Robinson M, Miner PB Jr. Clinical effectiveness of a new antacid chewing gum on heartburn and oesophageal pH control. *Aliment Pharmacol Ther.* 2002;16(12):2029-2035. doi:10.1046/j.1365-2036.2002.01380.x

2) Smoak, Benjamin & Koufman, James. (2002). Effects of Gum Chewing on Pharyngeal and Esophageal pH. *The Annals of otology, rhinology, and laryngology.* 110. 1117-9. 10.1177/000348940111001206.

Standard Product Offering

Antacid

Packaging option	Flavor	Color	Tablet size (mm)	Tablet weight (gr)	MOQ	IOQ	Lead time (weeks)
Blister with 8 tablets	Cool Mint	Blue/White	16	2	60,000 blisters	60,000 blisters	16
Blister with 10 tablets	Cool Mint	Blue/White	16	2	48,000 blisters	48,000 blisters	16
Bulk bags (12kg)	Cool Mint	Blue/White	16	2	80 bags	80 bags	16

Ingredients: Sweetener (xylitol), mineral (calcium carbonate), gum base, sweetener (sorbitol), flavourings, colour (titanium dioxide), sweeteners (aspartame, acesulfame k), bulking agent (silicium dioxide), antioxidant (BHT).

Recommended daily intake: 1 or 2 pieces, max 6 pieces per day

	Per tablet	%NRV
Calcium	240 mg	30%



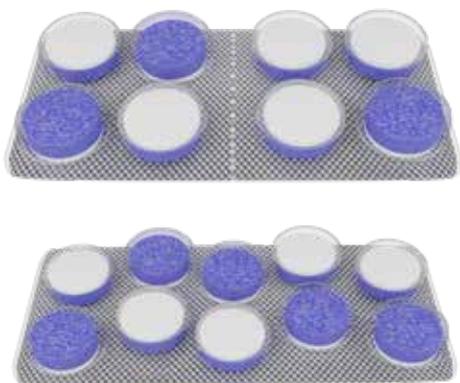
MOQ: Minimum Order Quantity **IOQ:** Incremental Order Quantity
Local safety regulations may apply
Above information is based on European value information

Packaging Options

Fertin Pharma offers the following packaging solutions:

- ✓ **Blistercards:** This type of packaging is well known by consumers for its practicality, convenience and safety. The products are kept fresh and protected from environmental influences such as oxygen and moisture, while providing good protection for the remaining products.
- ✓ **Sleeve and display carton:** The blistercard can be packed with a sleeve (cardboard band) and bundled in a display carton (tray) making the product shelf ready.
- ✓ **Bulk bag** with 12kg product for further processing and packaging.

Primary Packaging: Blistercard



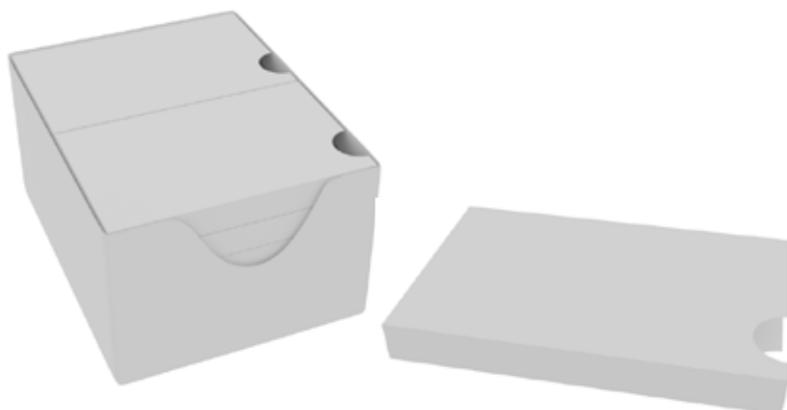
8 or 10 count blister
Dimensions: 55 x 105.5 mm
20 µ hardtemper aluminum lidding foil

Bulk Packaging: Alubag



12 kg Alubag

Secondary Packaging: Sleeve Display with 12 blistercards



Contains 12 blistercards with sleeve
Dimensions: 116 x 108 x 66 mm
Sleeve dimensions: 55.3 x 105.5 mm

To order contact us now:



+45 7215 1300



fertin@fertin.com



Dandyvej 19,
7100 Vejle, Denmark

