



HYDROXYAPATITE

**FOR SUPERIOR  
FUNCTIONAL  
FOODS AND  
SUPPLEMENTS**



✓ To promote bone strenght

✓ To reduce bone loss

✓ To prevent dental hypersensitivity



## ABOUT US

FLUIDINOVA was founded in 2005 in Portugal as a specialized manufacturer of synthetic nano-hydroxyapatite and tricalcium phosphate materials, which are commercialized worldwide for different applications (e.g., oral care, biomaterials, 3D printing, food-supplements, biotech, catalysts, etc), under the brand name nanoXIM®.





**The nanoXIM•Food are hydroxyapatite ingredients for food applications, produced and marketed by FLUIDINOVA.**

These products are available in two different forms: water suspension and powder.

Their excellent performance is related to the high similarity to natural teeth and bones.



✓ Biocompatible

✓ High purity

✓ Vegan

✓ Synthetic water-based suspension ingredient

✓ Rod-shaped nanoparticles < 100 nm

✓ Parabens free

✓ Synthetic fine white powder

✓ Small size microparticles

✓ E number: E341(iii)

### **What is Hydroxyapatite?**

Hydroxyapatite (HAp) is a form of calcium phosphate that makes up to 97% of tooth enamel and 70% of dentin and bone. Since it is a key component of teeth and bones, it is biocompatible. Our body recognizes HAp as a familiar compound.





## BENEFITS



### Teeth

HAp has a great potential in the treatment of dental hypersensitivity, as it can be incorporated inside the dentin tubules. Consequently, these become sealed and pain is reduced. A new layer is formed, remineralizing the tooth enamel and protecting the tooth surface, making it brighter and whiter.



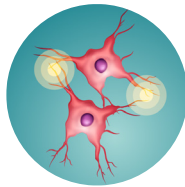
### Bones

With aging, bone mineral density begins to decrease. As a result, bones become weaker and susceptible to fractures. To help prevent this scenario and delay the bone mass loss, it is necessary to have an adequate intake of calcium, namely through functional foods and food supplements that contain HAp (an excellent source of calcium).



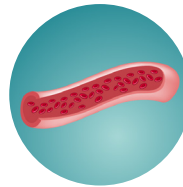
### Muscle

Vital for muscle contraction.



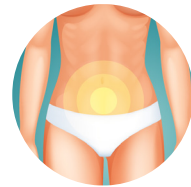
### Nerves

Helps our nerves carry messages between the brain and body.



### Blood

Supports normal blood circulation.



### PMS

Relieves symptoms associated with Premenstrual Syndrome.

**nanoXIM•FoodPaste is the  
recommended ingredient for  
aqueous formulations.**

It is incorporated in calcium-fortified  
beverages and chewing gums.



Fortified  
Beverages



Chewing  
Gums

**nanoXIM•FoodPowder is the  
recommended ingredient for dry  
formulations.**

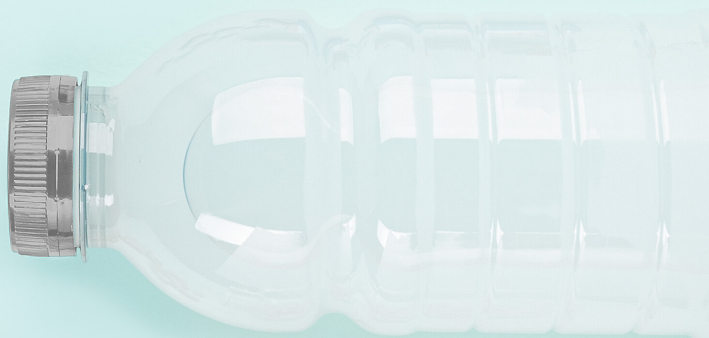
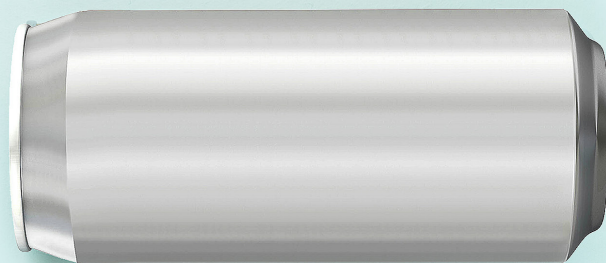
It is incorporated in dietary  
supplements and chewing gums.



Supplements



Chewing  
Gums



We aim to innovate  
and improve the  
Functional Foods  
and Supplements  
industry.



If you want to be part of this  
journey, contact us! ↓

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