

## PRODUCT INFORMATION

**nanoXIM•FoodPaste** is a synthetic nano-hydroxyapatite aqueous suspension, manufactured and supplied by FLUIDINOVA S.A.

### Specifications

Hydroxyapatite, Ca <sub>10</sub> (PO <sub>4</sub> ) <sub>6</sub> (OH) <sub>2</sub> , wt %	15.5 ± 0.5
Potassium chloride, KCl, wt %	4.5 ± 0.5
Aqua, H <sub>2</sub> O, wt %	≤ 81.0
Heavy metals, as Pb, ppm	≤ 20
pH	10.0 ± 0.5
Total Aerobic Mesophilic Microorganisms ( <i>Bacteria, yeast and mold</i> ), cfu/g	≤ 100

### General properties

Specific gravity, g/cm <sup>3</sup>	1.13 ± 0.02
Particle size, nm	< 50
Shelf life, years	2
Physical appearance	white suspension



## GENERAL INFORMATION

**nanoXIM•FoodPaste** is a synthetic nano-hydroxyapatite water based paste ingredient suitable to be incorporated in food products such as calcium-fortified beverages and chewing-gums.

Calcium phosphates have been widely used to promote bone strength and health in dietary supplements and fortified drinks. Nano-hydroxyapatite is especially suited for these applications as it accounts for up to 70% of human bone and 97% of teeth enamel.

Functional chewing-gums with nano-hydroxyapatite are suited for teeth enamel repair, effectively reducing dental hypersensitivity.

**nanoXIM•FoodPaste** is easy to incorporate in existing formulations, both for bone fortification and dental care.

### Package

Available in 20 kg HDPE food grade containers. Other options may be available upon request.

### Storage, Safety and Handling

To ensure the quality of the product, keep it in a closed container at room temperature in a clean and dry place. Do not freeze.

Stir before use to guarantee product homogeneity.

For more details about product safety and handling information, please refer to the FLUIDINOVA Safety Data Sheet (SDS).

