

Technical Data Sheet

PRODUCT INFORMATION

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

Specifications

Hydroxyapatite, $\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$, wt %	15.5 ± 0.5
Potassium chloride, KCl, wt %	4.5 ± 0.5
Aqua, H_2O , 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^3	1.13 ± 0.02
Particle size, nm	< 50
Shelf life, years	2
Physical appearance	white suspension



GENERAL INFORMATION

nanoXIM•CarePaste is an ingredient mainly used in oral care, cosmetic and food products.

The main applications of this product are toothpastes, mouthwashes, chewing gums and creams, with typical incorporation rates between 3% and 15 wt %. No incorporation limits are defined and values up to 90 wt% are being used successfully in professional dental products.

nanoXIM•CarePaste can be easily incorporated in water-based products. In emulsion-type products it should be added after emulsion formation, during cooling-process with continuous mixing.

To insure homogeneity of the ingredient components, the nanoXIM•CarePaste should be stirred before every usage.

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.

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