

nanoXIM•Granules are synthetic spherical granules of nanostructured hydroxyapatite, manufactured and supplied in 2 different size ranges by FLUIDINOVA, S.A.

PRODUCT IDENTIFICATION

IUPAC name	Pentacalcium hydroxide triphosphate
CAS number	12167-74-7
EC number	235-330-6
Synonyms	Hydroxyapatite (CAS No.1306-06-5)
Chemical formula	$\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$
REACH ID number	01-2119490075-38-0021

PRODUCT INFORMATION

General specifications	Unit	Specifications
Phase purity of Hydroxyapatite	%	≥ 95
Total heavy metals (as Pb)	ppm	≤ 20

Product specifications	Product	Unit	Specifications
Size range	nanoXIM•G1000	mm	0,5 - 1,0
	nanoXIM•G2000	mm	1,0 - 2,0

GENERAL PROPERTIES	Product	Unit	Value
Bulk density	nanoXIM•G1000	g/cm ³	0,75 ± 0,20
	nanoXIM•G2000	g/cm ³	0,75 ± 0,20
Physical appearance	nanoXIM•G1000		White spherical granules
	nanoXIM•G2000		White spherical granules



Figure 1. Granules real image.

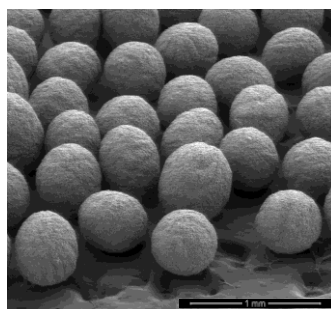


Figure 2. SEM image of G1000 granules.

GENERAL INFORMATION

nanoXIM•Granules are spherical granules consisting of micrometric aggregates of synthetic hydroxyapatite nanoparticles. After sterilization and packaging, these granules are suitable to be used as bone grafts substitutes for dental and orthopedic applications. Their uniform size and spherical shape not only allows good flowability and handling properties, but also the formation of homogeneous intergranular pores. nanoXIM•Granules are fully synthetic making them a safe and reliable alternative to human and animal derived bone grafts. Due to their similarity with the bone inorganic phase, they allow the construction of highly biocompatible and osteostimulative bone substitutes. nanoXIM•Granules are not finished medical devices, not sterile and they are sold in bulk.

Package

Available in PE or PP food grade containers at different sizes with minimum order quantity of 50 grams.

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