

nanoXIM•HAp600 is a series of calcined hydroxyapatite powders, manufactured and supplied 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		
HAp	%	≥ 95
TCP ($\alpha+\beta$) + TTCP + CaO + Others	%	≤ 5
CaO	%	≤ 1
Ca/P		1,66 - 1,71
Heavy Metals		
Heavy Metals (as Pb)	ppm	≤ 30
As	ppm	≤ 3
Cd	ppm	≤ 5
Hg	ppm	≤ 5
Pb	ppm	≤ 30
Specific Surface Area	m ² /g	1 - 10

Product specifications	Density	Particle size		
	(tapped), g/cm ³	d ₁₀ , µm	d ₅₀ , µm	d ₉₀ , µm
nanoXIM•HAp602	≥ 0,75	≤ 5	≤ 15	≤ 25

GENERAL PROPERTIES

Physical appearance	White fine powder
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GENERAL INFORMATION

nanoXIM•HAp600 are calcined synthetic hydroxyapatite spherical micron-size powders. The nanoXIM•HAp600 powders present a high phase purity in accordance to ISO13779-3:2018 and comply with the heavy metals limits and Ca/P ratio range defined by ISO13779-6:2015. Due to the calcination process they are subjected, these powders have a low specific surface area.

Package

Available in PE or PP food grade packaging at different sizes.

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). Shake before use to ensure homogeneity.

