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  Ca₁₀(PO₄)₆(OH)₂
REACH ID number   01-2119490075-38-0021

PRODUCT INFORMATION

General specifications | Unit | Specifications |
------------------------|------|---------------|
Phase purity            | %    | ≥ 95          |
HAp                     |      |               |
TCP (α+β) + 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   | m²/g | 1 - 10        |

Product specifications | Density (tapped), g/cm³ | Particle size | d₁₀, µm | d₅₀, µm | d₉₀, µm |
------------------------|--------------------------|---------------|---------|---------|---------|
nanoXIM•HAp602          | ≥ 0.75                   |               | ≤ 5     | ≤ 15    | ≤ 25    |

GENERAL PROPERTIES

Physical appearance    White fine powder

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.