

PRODUCT INFORMATION

nanoXIM•HAp300 is a series of synthetic nano-hydroxyapatite aqueous suspensions, manufactured and supplied in 3 different concentrations by FLUIDINOVA S.A.

General specifications

Phase purity, Ca ₁₀ (PO ₄) ₆ (OH) ₂ , % ⁽¹⁾	100
Specific surface area BET, m ² /g	≥ 80
Heavy metals, as Pb, ppm	≤ 20

Product specifications

	Hydroxyapatite content, % wt
nanoXIM•HAp301	5.0 ± 1.0
nanoXIM•HAp302	15.0 ± 1.0
nanoXIM•HAp303	30.0 ± 3.0

Product properties

	Specific gravity, g/cm ³	Physical appearance
nanoXIM•HAp301	1.0 ± 0.1	white suspension
nanoXIM•HAp302	1.1 ± 0.1	white paste
nanoXIM•HAp303	1.2 ± 0.1	white paste (mouldable paste)

⁽¹⁾ A minimum of 95% hydroxyapatite phase purity is assured when the sample is sintered for 15h at 1000°C, in accordance with ISO13779.

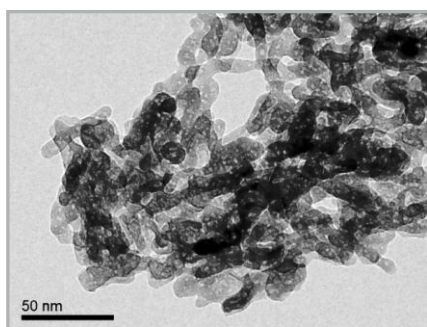


Figure 1. TEM image - General overview.

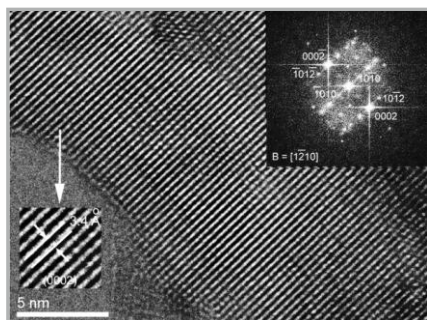


Figure 2. TEM image - Crystal orientation.

GENERAL INFORMATION

nanoXIM•HAp300 are aqueous suspensions consisting of hydroxyapatite nanoparticles with typical particle size below 50 nm. These products are suitable for chromatography, pharmaceuticals, biotechnology and several other application areas.

Package

Available in PE food grade containers at different sizes.

Storage, Safety & 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).