

nanoXIM•CarePowder is a synthetic hydroxyapatite powder, manufactured and supplied by FLUIDINOVA, S.A.

PRODUCT IDENTIFICATION

Trade name	nanoXIM•CarePowder
SKU	504202
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

	Unit	Specifications
Assay (calculated on dry basis)	wt% ≥	90
Loss on drying	wt% ≤	5
Salts (K^+ ; Cl^- ; Ca^{2+})	wt% ≤	3
Particle size $\leq 100 \mu\text{m}$	% ≥	95
Total heavy metals (as Pb)	ppm ≤	20

GENERAL PROPERTIES

Bulk density	0,55 ± 0,20 g/cm ³
Particle type	Microparticles
Physical appearance	Spray dryer white and odourless powder
Solubility	Practically insoluble in water; insoluble in ethanol, soluble in dilute hydrochloric and nitric acid

GENERAL INFORMATION

nanoXIM•CarePowder is a white powder consisting of micrometric aggregates of hydroxyapatite. This powder is recommended for cosmetic products that cannot incorporate aqueous ingredients.

Package

Available in PE or PP food grade containers 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.