

PRODUCT INFORMATION

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

Specifications

| | |
|--|-----------|
| Phase purity, $\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$, % | 100 |
| Particle size < 100 μm , % | ≥ 95 |
| Heavy metals, as Pb, ppm | ≤ 20 |

General properties

| | |
|---|-----------------|
| Apparent bulk density, g/cm^3 | 0.55 ± 0.20 |
| Physical appearance | white powder |
| Particle type | microparticles |

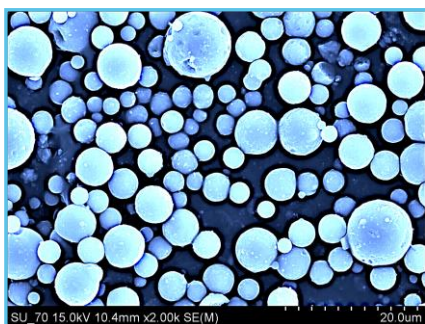


Figure 1. SEM image - General overview.

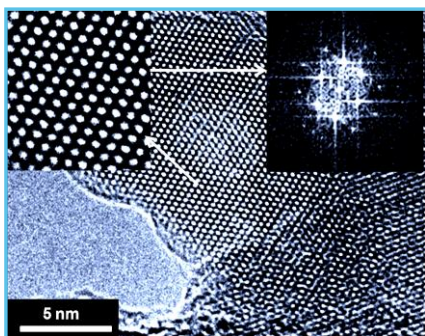


Figure 2. TEM image - Crystal orientation.

GENERAL INFORMATION

nanoXIM•CarePowder is a white powder consisting of micrometric agglomerates of hydroxyapatite. This powder is recommended for oral care products that cannot incorporate aqueous ingredients, such as dental varnishes and some specific whitening products.

To insure homogeneity of product, it should be shaken before every use.

Package

Available in PE 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 refer to the FLUIDINOVA Safety Data Sheet (SDS).