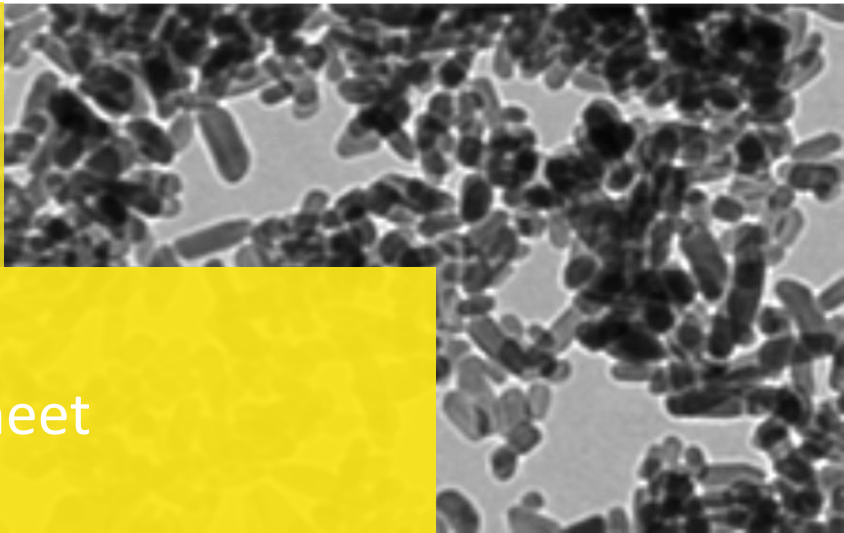




HA



Hydroxyapatite datasheet

## Our offer

We offer hydroxyapatite nanoparticles in suspension to be used as nanofillers in dental composites or varnishes for their dental enamel and dentin protection activity.

Our dispersions can also be used in coatings for orthopedic and dental implants. In these applications, they promote osseointegration and bone growth.

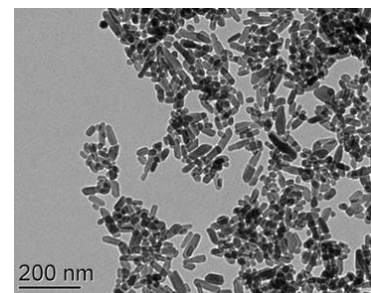
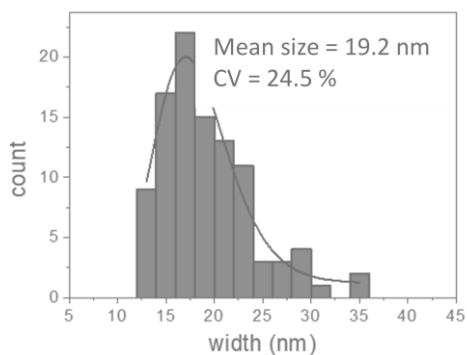
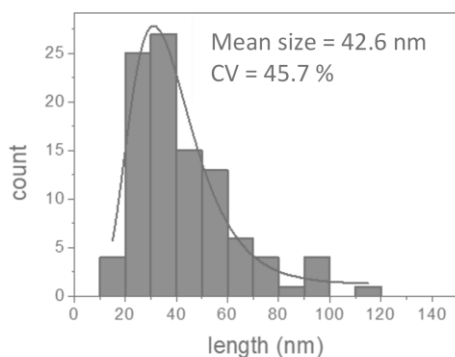
## Main benefits

- High colloidal stability
- Thinner coating than thermal plasma spray
- High Specific Surface Area of coating
- full coverage of complex patterns

## Properties

Main characteristics	
Chemical formula	Ca <sub>5</sub> (PO <sub>4</sub> ) <sub>3</sub> OH
Crystal structure	Hexagonal
Density	3.2 g/cm <sup>3</sup>
Average particle size	20x40 nm
Refractive index	1.63
Suspension solid content	20 %
Dispersion medium	Water, acetone (dispersion in other media is under development)
Type of functionalization	Depends on dispersion medium and application requirements

## Size distribution



## Packaging

Available sample size : 5 g to 100 g of dry matter - Safety Data Sheet available