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NS6130-0-919

Purity
>99%
 CAS No.
1309-06-5

Hydroxyapatite Nanoparticles

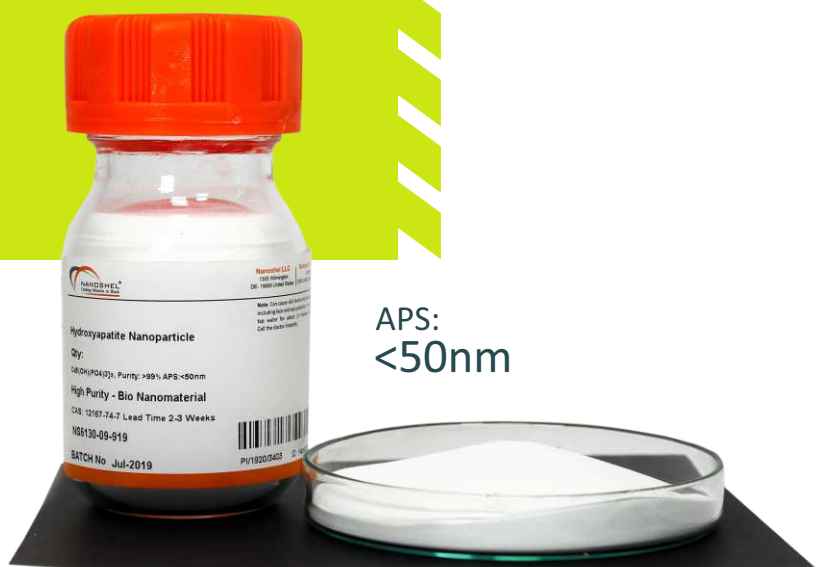
Hydroxyapatite is also known as hydroxylapatite (HA). It is occurred naturally and mineral form of calcium apatite. Hydroxyapatite nanoparticles have attractive properties such as surface grain size, pore size, wettability, etc., and also could control protein interactions. Hydroxyapatite (HA) has been widely used as a biocompatible ceramic in many areas of medicine, but mainly for contact with bone tissue, due to its resemblance to mineral bone.

Technical Specification:

Molecular Formula	Molecular Weight	Relative Density	Melting Point	Specific Gravity
$[\text{Ca}_5(\text{OH})(\text{PO}_4)_3]\text{x}$	502.31g/mol	3.140 g/cm ³	1100 °C	3.0 –3.3 g/cc

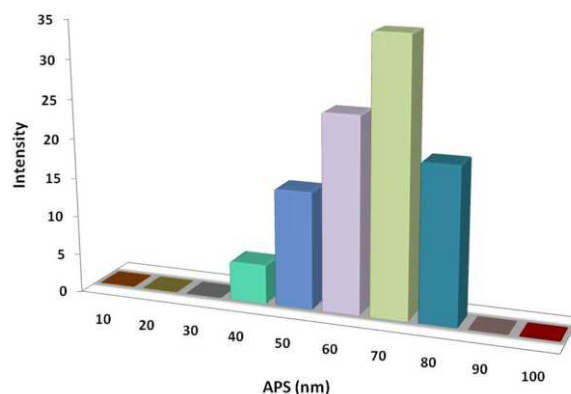
Applications:

- ✓ Biocompatible ceramic
- ✓ Bone therapy applications
- ✓ Bone tissue engineering
- ✓ Orthopedic and dental implant coating
- ✓ Drug and gene delivery



APS:
<50nm

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ISO 9001:2015
 CERTIFIED COMPANY



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