



BONITE

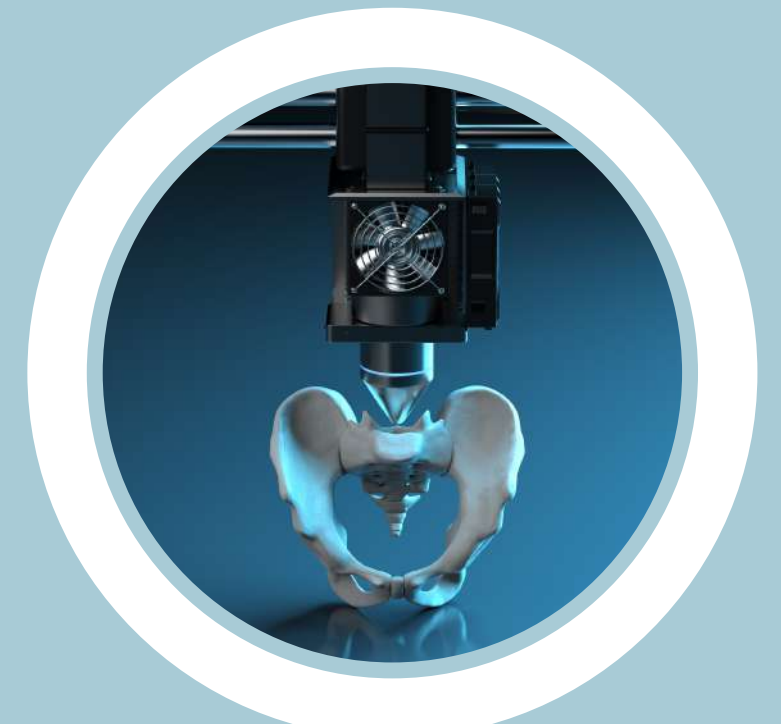
NANO HYDROXYAPATITE

For Biomedical Use

MINERAL ORIGIN, TSE/BSE FREE



- BONITE, nano hydroxyapatite powder, is formulated with β -Tricalcium Phosphate for making biomimetic biphasic nanoceramic particles, necessary in creating bone grafts/scaffolds & facilitates reconstruction of bone defects
- BONITE mimics extracellular matrix & enhances conduction of bone & cartilage
- Surface chemistry of β -TCP encourages cell proliferation & differentiation
- BONITE/ β -TCP composite exhibits enhanced cell-matrix interactions in bone remodeling, higher adhesion, proliferation, differentiation, and increased vascularization. This composite induces faster bone formation than autogenous bone
- BONITE/ β -TCP composite has more immunoreactivity area when compared to autogenous bone
- Biocompatibility of BONITE is tested as per ISO 10993-5-2009 and 10993-12-2012



Available morphology: Acicular or Short-rod like

Phase Purity: Above 99%

Average Crystallite Size: 20 nm

Customizable crystallite size



WE ALSO OFFER β -TRICALCIUM PHOSPHATE

For enquiries, contact

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