



HAp Powder for Thermal Spraying & 3D Printing

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Vita Spire offers high-purity hydroxyapatite (HAp) powders for coating technologies and additive manufacturing. Our products feature excellent sphericity, high crystallinity, and uniform particle size distribution. They are produced under the ISO 13485:2016 quality management system with low heavy metal content. Available in four different particle size distributions, our HAp powders are suitable for various applications, including thermal spraying, bone cement, and 3D printing.

Product Features

HAP3D-01 HAp for Thermal

Spraying, Type I (D50 ~12 um)

HAP3D-02 HAp for Thermal

Spraying, Type II (D50 ~25 um)

HAP3D-03 HAp for Thermal

Spraying, Type III (D50 ~50 um)

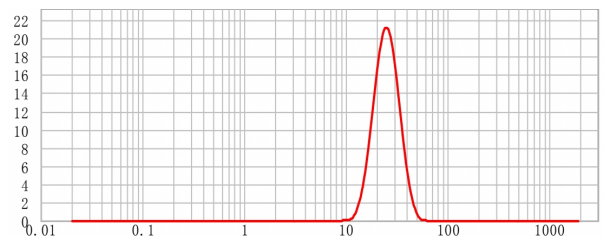
HAP3D-04 HAp for Thermal

Spraying, Type V (D50 ~80 um)

·Low Heavy Metals

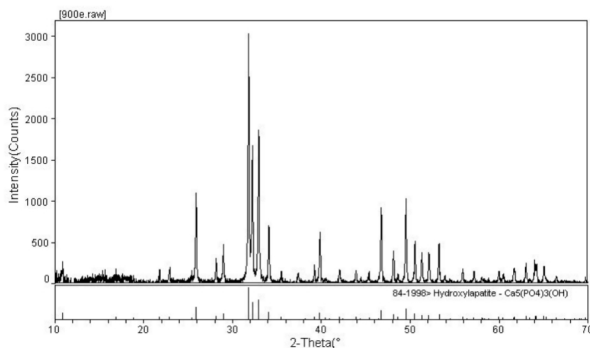
*Measured values are well below the specifications.

Test Items	Specifications*
Pb	≤5ppm
Hg	≤5ppm
As	≤3ppm
Cd	≤5ppm
Total Heavy Metals	≤20ppm



·Four particle-size grades
 (D50: ~12, ~25, ~50, ~80 um)

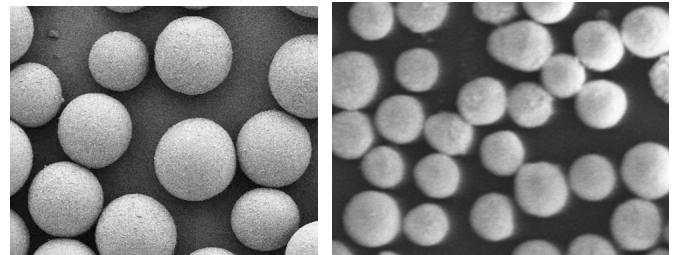
·Uniform particle size distribution: Span <1



Consistent with JCPDS 09-0432

·Purity: >98% by XRD

·Spherical



·Sintered, high-crystallinity: Crystallinity >95%