

Global Hydroxyapatite Market Report and Forecast 2023-2028

Market Report | 2022-11-21 | 107 pages | EMR Inc.

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Report description:

Global Hydroxyapatite Market Report and Forecast 2023-2028

Market Outlook

According to the report by Expert Market Research (EMR), the global hydroxyapatite market attained a value of USD 1168.54 million in 2022. Aided by the rising demand for orthopaedic implants and bone grafting materials, the market is further expected to grow at a CAGR of 8.8% in the forecast period of between 2023 and 2028 to reach USD 1888.47 million by 2028.

Hydroxyapatite is the mineral form of calcium apatite made up of one phosphate and one hydroxyl group. It is a significant component of teeth that provides higher stiffness and superior enamel remineralisation to saliva. Orthopaedic implants and dental care items with hydroxyapatite coatings also offer improved features, such as bone gap repair. It is applied as a coating on implants, bone grafts, and as bone fillers.

The growing need for bone grafting and implant materials is driving the global hydroxyapatite market. The market is also projected to benefit from the increasing product quality innovations that improve the use of dental and orthopaedic implants during the projection period. Further, it is anticipated that the availability of inexpensive hydroxyapatite implants, such as synthetic hydroxyapatite implants, will attract new customer categories, leading to market expansion.

Additionally, manufacturers are increasingly switching from conventional titanium plasma spray coatings to nano-hydroxyapatite coatings. This is due to their capacity to promote bone healing in bone implant procedures at a faster rate and their ability to prevent corrosion, which is anticipated to favour the market expansion throughout the forecast period.

The hydroxyapatite industry was led by the orthopaedic segment historically, and this segment is anticipated to continue to lead in the coming years. The demand for hydroxyapatite in orthopaedic applications will likely increase owing to the growing need for bioactive ceramics in bone replacement surgeries. A growing geriatric population worldwide is increasing incidences of orthopaedic injuries and conditions caused by weak bones, requiring hydroxyapatite for treatment.

Additionally, the expansion of healthcare services and increased customer concern over their health are anticipated to support the hydroxyapatite market growth. The market for hydroxyapatite is further expected to grow as a result of the rising demand for hydroxyapatite to cover medical components used in knee and hip operations.

Hydroxyapatite has shown remarkable results in dental care, acting as an effective fluoride substitute and also working well in combination with other materials. Due to the increased demand for hydroxyapatite in toothpaste and other dental products and

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its effectiveness in enamel remineralisation when exposed to saliva and other chemicals, the market is anticipated to experience a healthy expansion in the forecast years.

Combination of hydroxyapatite with other materials offers immense potential for further applications in orthopaedics. Using nano-sized hydroxyapatite with other materials can deliver antibiotic results, extend the lifespan, and increase the strength of the hydroxyapatite. Due to the high bioavailability of hydroxyapatite, research and development launched by key players towards its improved applications can increase the market size considerably in the coming years.

North America is expected to dominate the global hydroxyapatite market. This is due to its widespread applications in dental procedures, non-integrated implants, and bone grafts in the United States and Canada. The presence of a number of significant market participants in the area will support hydroxyapatite market expansion. Meanwhile, the Asia Pacific region has experienced significant development as more medical professionals adopt the use of hydroxyapatite in dental applications and bone grafting over conventional treatments. This is anticipated to provide the market with considerable growth potential during the forecast period.

Market Segmentation

The market can be divided on the basis of type, application, and major regions.

Market Breakup by Type

- Nano-Sized
 - Micro-Sized
 - Greater than Micrometre
- #### Market Segmentation by Application

- Orthopaedic
- Dental Care
- Plastic Surgery
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and acquisitions and mergers, among other major developments, of the global hydroxyapatite market companies. Some of the major key players explored in the report by Expert Market Research are as follows:

- Fluidinova S.A.
- SofSera Corporation
- Berkeley Advanced Biomaterials, Inc.
- Taihei Chemical Industrial Co., Ltd.
- CAM Bioceramics B.V.
- SigmaGraft Biomaterials, Inc.
- Others

*We at Expert Market Research always strive to give you the latest information. The numbers in the article are only indicative and may be different from the actual report.

Table of Contents:

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- 1 Preface
- 2 Report Coverage - Key Segmentation and Scope
- 3 Report Description
 - 3.1 Market Definition and Outlook
 - 3.2 Properties and Applications
 - 3.3 Market Analysis
 - 3.4 Key Players
- 4 Key Assumptions
- 5 Executive Summary
 - 5.1 Overview
 - 5.2 Key Drivers
 - 5.3 Key Developments
 - 5.4 Competitive Structure
 - 5.5 Key Industrial Trends
- 6 Market Snapshot
 - 6.1 Global
 - 6.2 Regional
- 7 Industry Opportunities and Challenges
- 8 Global Hydroxyapatite Market Analysis
 - 8.1 Key Industry Highlights
 - 8.2 Global Hydroxyapatite Historical Market (2018-2022)
 - 8.3 Global Hydroxyapatite Market Forecast (2023-2028)
 - 8.4 Global Hydroxyapatite Market by Type
 - 8.4.1 Nano-Sized
 - 8.4.1.1 Market Share
 - 8.4.1.2 Historical Trend (2018-2022)
 - 8.4.1.3 Forecast Trend (2023-2028)
 - 8.4.2 Micro-Sized
 - 8.4.2.1 Market Share
 - 8.4.2.2 Historical Trend (2018-2022)
 - 8.4.2.3 Forecast Trend (2023-2028)
 - 8.4.3 Greater than Micrometer
 - 8.4.3.1 Market Share
 - 8.4.3.2 Historical Trend (2018-2022)
 - 8.4.3.3 Forecast Trend (2023-2028)
 - 8.5 Global Hydroxyapatite Market by Application
 - 8.5.1 Orthopaedic
 - 8.5.1.1 Market Share
 - 8.5.1.2 Historical Trend (2018-2022)
 - 8.5.1.3 Forecast Trend (2023-2028)
 - 8.5.2 Dental
 - 8.5.2.1 Market Share
 - 8.5.2.2 Historical Trend (2018-2022)
 - 8.5.2.3 Forecast Trend (2023-2028)
 - 8.5.3 Plastic Surgery
 - 8.5.3.1 Market Share
 - 8.5.3.2 Historical Trend (2018-2022)

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- 8.5.3.3 Forecast Trend (2023-2028)
- 8.5.4 Others
- 8.6 Global Hydroxyapatite Market by Region
 - 8.6.1 Market Share
 - 8.6.1.1 North America
 - 8.6.1.2 Europe
 - 8.6.1.3 Asia Pacific
 - 8.6.1.4 Latin America
 - 8.6.1.5 Middle East and Africa
- 9 Regional Analysis
 - 9.1 North America
 - 9.1.1 Historical Trend (2018-2022)
 - 9.1.2 Forecast Trend (2023-2028)
 - 9.1.3 Breakup by Country
 - 9.1.3.1 United States of America
 - 9.1.3.2 Canada
 - 9.2 Europe
 - 9.2.1 Historical Trend (2018-2022)
 - 9.2.2 Forecast Trend (2023-2028)
 - 9.2.3 Breakup by Country
 - 9.2.3.1 United Kingdom
 - 9.2.3.2 Germany
 - 9.2.3.3 France
 - 9.2.3.4 Italy
 - 9.2.3.5 Others
 - 9.3 Asia Pacific
 - 9.3.1 Historical Trend (2018-2022)
 - 9.3.2 Forecast Trend (2023-2028)
 - 9.3.3 Breakup by Country
 - 9.3.3.1 China
 - 9.3.3.2 Japan
 - 9.3.3.3 India
 - 9.3.3.4 ASEAN
 - 9.3.3.5 Australia
 - 9.3.3.6 Others
 - 9.4 Latin America
 - 9.4.1 Historical Trend (2018-2022)
 - 9.4.2 Forecast Trend (2023-2028)
 - 9.4.3 Breakup by Country
 - 9.4.3.1 Brazil
 - 9.4.3.2 Argentina
 - 9.4.3.3 Mexico
 - 9.4.3.4 Others
 - 9.5 Middle East and Africa
 - 9.5.1 Historical Trend (2018-2022)
 - 9.5.2 Forecast Trend (2023-2028)
 - 9.5.3 Breakup by Country

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- 9.5.3.1 Saudi Arabia
- 9.5.3.2 United Arab Emirates
- 9.5.3.3 Nigeria
- 9.5.3.4 South Africa
- 9.5.3.5 Others
- 10 Market Dynamics
 - 10.1 SWOT Analysis
 - 10.1.1 Strengths
 - 10.1.2 Weaknesses
 - 10.1.3 Opportunities
 - 10.1.4 Threats
 - 10.2 Porter's Five Forces Analysis
 - 10.2.1 Supplier's Power
 - 10.2.2 Buyer's Power
 - 10.2.3 Threat of New Entrants
 - 10.2.4 Degree of Rivalry
 - 10.2.5 Threat of Substitutes
 - 10.3 Key Indicators for Demand
 - 10.4 Key Indicators for Price
- 11 Value Chain Analysis
- 12 Price Analysis
 - 12.1 North America Historical Price Trends (2018-2022) and Forecast (2023-2028)
 - 12.2 Europe Historical Price Trends (2018-2022) and Forecast (2023-2028)
 - 12.3 Asia Pacific Historical Price Trends (2018-2022) and Forecast (2023-2028)
 - 12.4 Latin America Historical Price Trends (2018-2022) and Forecast (2023-2028)
 - 12.5 Middle East and Africa Historical Price Trends (2018-2022) and Forecast (2023-2028)
- 13 Competitive Landscape
 - 13.1 Market Structure
 - 13.2 Company Profiles
 - 13.2.1 Fluidinova S.A.
 - 13.2.1.1 Company Overview
 - 13.2.1.2 Product Portfolio
 - 13.2.1.3 Demographic Reach and Achievements
 - 13.2.1.4 Certifications
 - 13.2.2 SofSera Corporation
 - 13.2.2.1 Company Overview
 - 13.2.2.2 Product Portfolio
 - 13.2.2.3 Demographic Reach and Achievements
 - 13.2.2.4 Certifications
 - 13.2.3 Berkeley Advanced Biomaterials, Inc.
 - 13.2.3.1 Company Overview
 - 13.2.3.2 Product Portfolio
 - 13.2.3.3 Demographic Reach and Achievements
 - 13.2.3.4 Certifications
 - 13.2.4 Taihei Chemical Industrial Co., Ltd.
 - 13.2.4.1 Company Overview
 - 13.2.4.2 Product Portfolio

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- 13.2.4.3 Demographic Reach and Achievements
- 13.2.4.4 Certifications
- 13.2.5 CAM Bioceramics B.V.
 - 13.2.5.1 Company Overview
 - 13.2.5.2 Product Portfolio
 - 13.2.5.3 Demographic Reach and Achievements
 - 13.2.5.4 Certifications
- 13.2.6 SigmaGraft Biomaterials, Inc.
 - 13.2.6.1 Company Overview
 - 13.2.6.2 Product Portfolio
 - 13.2.6.3 Demographic Reach and Achievements
 - 13.2.6.4 Certifications
- 13.2.7 Others
- 14 Industry Events and Developments

Additional Customisations Available

- 1 Manufacturing Process
 - 1.1 Overview
 - 1.2 Detailed Process Flow
 - 1.3 Operation Involved
- 2 Project Requirement and Cost Analysis
 - 2.1 Land, Location and Site Development
 - 2.2 Construction
 - 2.3 Plant Machinery
 - 2.4 Cost of Raw Material
 - 2.5 Packaging
 - 2.6 Transportation
 - 2.7 Utilities
 - 2.8 Manpower
 - 2.9 Other Capital Investment

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