

# **Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Polyhydroxyalkanoates (PHA) Market 2018, Forecast to 2023**

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## **Abstracts**

Polyhydroxyalkanoates (PHA) are polymers that are derived from the polyester class. PHAs are naturally produced by microorganisms through the fermentation process and can also be produced from other renewable resources such as sugars and lipids. PHAs are classified under the bacterial polyesters family, which are further sub-classified under bioplastics. These are synthesized naturally from sugars and lipids through the bacterial fermentation process. These are biodegradable and are used for the manufacturing of bioplastics. They can also be produced by synthetic processes.

### **Scope of the Report:**

This report focuses on the Polyhydroxyalkanoates (PHA) in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. On the basis of key regions, the Asia-Pacific market is projected to grow at the highest rate from 2018 to 2023, as countries in this region are expected to achieve high growth in the bio medical, agriculture, and packaging sectors; this would lead to a high demand for PHA based bioplastics.

The worldwide market for Polyhydroxyalkanoates (PHA) is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

BioMatera

Bio-on

Danimer Scientific

TianAn Biologic Materials

Tianjin GreenBio Materials

Yield10 Bioscience

Bluepha

Cardia Bioplastics

CJ CheilJedang

Full Cycle Bioplastics

Kaneka

Newlight Technologies

PHB Industrial

PolyFerm Canada

Shenzhen Ecomann Biotechnology

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

PHA monomers

PHA co-polymers

PHA terpolymers

Market Segment by Applications, can be divided into

Packaging

Food services

Bio medical

Agriculture

Others

There are 15 Chapters to deeply display the global Polyhydroxyalkanoates (PHA) market.

Chapter 1, to describe Polyhydroxyalkanoates (PHA) Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Polyhydroxyalkanoates (PHA), with sales, revenue, and price of Polyhydroxyalkanoates (PHA), in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Polyhydroxyalkanoates (PHA), for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Polyhydroxyalkanoates (PHA) market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Polyhydroxyalkanoates (PHA) sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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