

# The Global Market for Polyhydroxyalkanoates (PHA) to 2033

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## Abstracts

Polyhydroxyalkanoates (PHA) are a family of eco-friendly, biodegradable and compostable biopolymer polyesters synthesized by various bacteria. They encompass a large variety of bioplastics raw materials made from many different renewable resources. Examples of Polyhydroxyalkanoates are PHB, PHV, PHBV, PHBH etc. They are candidates for substitution of petrochemical non-renewable plastics due to their biodegradable and nontoxic properties. They also possess good mechanical properties, good barrier properties toward oxygen, carbon dioxide and moisture, biocompatibility and versatility.

Main applications of PHA-based materials are in films and rigid packaging, disposable items (e.g. drinking straws, utensils, hygiene products and compostable bags), cosmetics, biomedicine, plastic components, agriculture and to a lesser extent in textiles, water treatments, 3D printing etc.

Manufacturing capacities of PHA-based materials has increased in recent years from companies such as CJ Biomaterials, Inc., Danimer, Kaneka, PHAbuilder, Bluepha and this trend will continue as producers have plans to add 100,000s of tons in capacities over the next few years.

Reports contents include:

Analysis of global plastics and bioplastics markets.

Market trends and drivers.

Analysis of the Polyhydroxyalkanoates (PHA) market including demand,

production capacities, end user markets and key players.

Applications and market analysis.

Global market demand for PHA and production capacities.

37 company profiles. Companies profiled include Bluepha, CJ Biomaterials, Inc., Danimer Scientific, Kaneka, Nafigate, Newlight Technologies, Beijing PhaBuilder Biotechnology and Tianan Biologic Material Co., Ltd. Profiles include products and production capacities.

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