

# **High Purity Alumina Market by Type (4N High Purity Alumina, 5N High Purity Alumina, and 6N High Purity Alumina), Technology (Hydrolysis and Hydrochloric acid leaching), and Application (LED Bulbs, Semiconductor Substrate, Li-Ion Batteries, Optical Lenses, Bio Medical devices, and Others): Global Opportunity Analysis and Industry Forecast, 2019-2026**

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## **Abstracts**

The global high purity alumina market was valued at \$1.1 billion in 2018, and is projected to reach \$5.1 billion by 2026, growing at a CAGR of 21.7% from 2019 to 2026.

High-purity alumina (HPA) is a premium product that falls under non-metallurgical alumina products, characterized by a minimum purity level of 99.99%. HPA is utilized as a base material to manufacture sapphire substrates in applications such as light-emitting diodes (LEDs) and artificial sapphire glass. It possesses properties such as corrosion resistance, high brightness, and can withstand high temperatures.

High adoption of LED bulbs over traditional bulbs coupled with technological evolution drive the growth of the global high-purity alumina market. Its superior properties such as durability, reliability, and low radiated heat have led to rise in adoption of LED products, thereby driving the demand for HPA. In addition, upsurge in production of electric vehicles in North America, Europe, and Asia-Pacific has boosted the demand for HPA, as it is used in manufacturing of batteries in electric vehicles. However, increase in prices of HPA is the significant factor anticipated to restrain the market growth during the forecast period.

The global high-purity alumina market is segmented based on type, technology, application, and region. On the basis of type, the market is be categorized into 4N, 5N, and 6N. By technology, it is bifurcated into hydrolysis and hydrochloric acid leaching (HCL). The applications covered in the study comprise LED bulbs, semiconductor substrates, Li-ion batteries, optical lenses, bio-medical devices, and others. Region wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Some of the major players analyzed in this report are Orbite Technologies Inc., Sumitomo Chemical Co., Ltd., Baikowski SAS, Alcoa Inc., Nippon Light Metal Holdings Company, Ltd., Altech Chemicals Ltd., Zibo Honghe Chemical Co. Ltd., Sasol, and Xuan Cheng Jing Rui New Material Co. Ltd., and Hebei Pengda Advanced Materials Technology Co., Ltd.

## KEY BENEFITS FOR STAKEHOLDERS

Porter's five forces analysis helps analyze the potential of buyers & suppliers and the competitive scenario of the industry for strategy building.

It outlines the current trends and future scenario of the market from 2019 to 2026 to understand the prevailing opportunities and potential investment pockets.

Major countries in the region have been mapped according to their individual revenue contribution to the regional market.

The key drivers, restraints, and opportunities and their detailed impact analysis are elucidated in the study.

The profiles of key players along with their key strategic developments are enlisted in the report.

## KEY MARKET SEGMENTS

By Type

4N High Purity Alumina

5N High Purity Alumina

6N High Purity Alumina

By Technology

Hydrolysis

Hydrochloric Acid Leaching

By Application

LED Bulbs

Semiconductor Substrate

Li-ion Batteries

Optical Lenses

Bio Medical Devices

Others

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

South Korea

India

Australia

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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