

## **Global High Purity Alumina Market Report and Forecast 2024-2032**

Market Report | 2024-03-25 | 161 pages | EMR Inc.

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### **Report description:**

Global High Purity Alumina Market Report and Forecast 2024-2032

#### Market Outlook

According to the report by Expert Market Research (EMR), the global high purity alumina market reached a value of USD 3.32 billion in 2023. Aided by its indispensable role in technological advancement and sustainable development, the market is projected to further grow at a CAGR of 15.3% between 2024 and 2032 to reach a value of USD 12.60 billion by 2032.

High Purity Alumina (HPA), a processed premium non-metallurgical form of aluminium oxide (Al<sub>2</sub>O<sub>3</sub>) with a purity level of 99.99% or higher, is making significant strides in various high-tech industries. Known for its superior properties such as high resistance to heat, corrosion, and its electrical insulating capabilities, HPA is pivotal in the development of a wide range of advanced products. the high purity alumina market growth is propelled by the escalating demand in sectors such as electronics, automotive, and energy. Projected to grow at a notable Compound Annual Growth Rate (CAGR), the market's expansion is driven by the increasing adoption of LEDs, the surge in electric vehicle (EV) production, and the proliferation of renewable energy technologies.

The demand for HPA is further boosted by the consumer electronics industry, where it is used in the manufacturing of sapphire substrates for LED lights, semiconductor wafers, and scratch-resistant sapphire glass for smartphones and watches. Additionally, HPA's role in producing separators for lithium-ion batteries highlights its importance in the EV and energy storage sectors, contributing to the global push towards green energy and transportation solutions.

Moreover, advancements in processing technologies have improved the efficiency and cost-effectiveness of HPA production, making it more accessible for a wider range of applications and driving innovation in industries reliant on high-performance materials.

According to the high purity alumina market analysis, innovation in HPA production focuses on enhancing purity levels while reducing environmental impact and production costs. The development of sustainable processing methods, coupled with the recycling of HPA waste, exemplifies the industry's commitment to environmental sustainability and economic efficiency.

There is a significant opportunity for the HPA industry to capitalise on the burgeoning demand for sustainable and high-performance materials across various sectors. Innovations in production technology that reduce costs and environmental impact, coupled with strategic partnerships and investments in research and development, can unlock new applications and markets for HPA.

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The regulatory environment further influences the high purity alumina market outlook, with policies and standards governing environmental compliance, safety, and quality. Initiatives aimed at promoting sustainable industrial practices and supporting the development of advanced materials technologies further bolster the growth of the HPA market, aligning with global efforts towards sustainability and innovation.

#### Market Segmentation

The market can be divided based on type, technology, application, and region.

#### Market Breakup by Type

- 4N

- 5N

- 6N

#### Market Breakup by Technology

- Hydrochloric Acid Leaching

- Hydrolysis

#### Market Breakup by Application

- Semiconductor Substrate

- LED Lighting

- Li-ion Batteries

- Technical Ceramics

- 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 mergers and acquisitions, among other major developments, of the leading companies operating in the global high purity alumina market. Some of the major players explored in the report by Expert Market Research are as follows:

- Sumitomo Chemical Co., Limited

- Nippon Light Metal Co., Ltd.

- Baikowski SA

- Polar Performance Materials

- Honghe Chemical

- Norsk Hydro ASA

- Aluminum Corporation of China (CHALCO)

- Sasol Limited

- Cadoux Limited

- RUSAL

- Others

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## **Table of Contents:**

- 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 Opportunities and Challenges in the Market
- 8 Global High Purity Alumina Market Analysis
  - 8.1 Key Industry Highlights
  - 8.2 Global High Purity Alumina Historical Market (2018-2023)
  - 8.3 Global High Purity Alumina Market Forecast (2024-2032)
  - 8.4 Global High Purity Alumina Market by Type
    - 8.4.1 4N
      - 8.4.1.1 Historical Trend (2018-2023)
      - 8.4.1.2 Forecast Trend (2024-2032)
    - 8.4.2 5N
      - 8.4.2.1 Historical Trend (2018-2023)
      - 8.4.2.2 Forecast Trend (2024-2032)
    - 8.4.3 6N
      - 8.4.3.1 Historical Trend (2018-2023)
      - 8.4.3.2 Forecast Trend (2024-2032)
  - 8.5 Global High Purity Alumina Market by Technology
    - 8.5.1 Hydrochloric Acid Leaching
      - 8.5.1.1 Historical Trend (2018-2023)
      - 8.5.1.2 Forecast Trend (2024-2032)
    - 8.5.2 Hydrolysis
      - 8.5.2.1 Historical Trend (2018-2023)
      - 8.5.2.2 Forecast Trend (2024-2032)
  - 8.6 Global High Purity Alumina Market by Application
    - 8.6.1 Semiconductor Substrate

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- 8.6.1.1 Historical Trend (2018-2023)
  - 8.6.1.2 Forecast Trend (2024-2032)
- 8.6.2 LED Lighting
  - 8.6.2.1 Historical Trend (2018-2023)
  - 8.6.2.2 Forecast Trend (2024-2032)
- 8.6.3 Li-ion Batteries
  - 8.6.3.1 Historical Trend (2018-2023)
  - 8.6.3.2 Forecast Trend (2024-2032)
- 8.6.4 Technical Ceramics
  - 8.6.4.1 Historical Trend (2018-2023)
  - 8.6.4.2 Forecast Trend (2024-2032)
- 8.6.5 Others
- 8.7 Global High Purity Alumina Market by Region
  - 8.7.1 North America
    - 8.7.1.1 Historical Trend (2018-2023)
    - 8.7.1.2 Forecast Trend (2024-2032)
  - 8.7.2 Europe
    - 8.7.2.1 Historical Trend (2018-2023)
    - 8.7.2.2 Forecast Trend (2024-2032)
  - 8.7.3 Asia Pacific
    - 8.7.3.1 Historical Trend (2018-2023)
    - 8.7.3.2 Forecast Trend (2024-2032)
  - 8.7.4 Latin America
    - 8.7.4.1 Historical Trend (2018-2023)
    - 8.7.4.2 Forecast Trend (2024-2032)
  - 8.7.5 Middle East and Africa
    - 8.7.5.1 Historical Trend (2018-2023)
    - 8.7.5.2 Forecast Trend (2024-2032)
- 9 North America High Purity Alumina Market Analysis
  - 9.1 United States of America
    - 9.1.1 Historical Trend (2018-2023)
    - 9.1.2 Forecast Trend (2024-2032)
  - 9.2 Canada
    - 9.2.1 Historical Trend (2018-2023)
    - 9.2.2 Forecast Trend (2024-2032)
- 10 Europe High Purity Alumina Market Analysis
  - 10.1 United Kingdom
    - 10.1.1 Historical Trend (2018-2023)
    - 10.1.2 Forecast Trend (2024-2032)
  - 10.2 Germany
    - 10.2.1 Historical Trend (2018-2023)
    - 10.2.2 Forecast Trend (2024-2032)
  - 10.3 France
    - 10.3.1 Historical Trend (2018-2023)
    - 10.3.2 Forecast Trend (2024-2032)
  - 10.4 Italy
    - 10.4.1 Historical Trend (2018-2023)

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- 10.4.2 Forecast Trend (2024-2032)
- 10.5 Others
- 11 Asia Pacific High Purity Alumina Market Analysis
  - 11.1 China
    - 11.1.1 Historical Trend (2018-2023)
    - 11.1.2 Forecast Trend (2024-2032)
  - 11.2 Japan
    - 11.2.1 Historical Trend (2018-2023)
    - 11.2.2 Forecast Trend (2024-2032)
  - 11.3 India
    - 11.3.1 Historical Trend (2018-2023)
    - 11.3.2 Forecast Trend (2024-2032)
  - 11.4 ASEAN
    - 11.4.1 Historical Trend (2018-2023)
    - 11.4.2 Forecast Trend (2024-2032)
  - 11.5 Australia
    - 11.5.1 Historical Trend (2018-2023)
    - 11.5.2 Forecast Trend (2024-2032)
  - 11.6 Others
- 12 Latin America High Purity Alumina Market Analysis
  - 12.1 Brazil
    - 12.1.1 Historical Trend (2018-2023)
    - 12.1.2 Forecast Trend (2024-2032)
  - 12.2 Argentina
    - 12.2.1 Historical Trend (2018-2023)
    - 12.2.2 Forecast Trend (2024-2032)
  - 12.3 Mexico
    - 12.3.1 Historical Trend (2018-2023)
    - 12.3.2 Forecast Trend (2024-2032)
  - 12.4 Others
- 13 Middle East and Africa High Purity Alumina Market Analysis
  - 13.1 Saudi Arabia
    - 13.1.1 Historical Trend (2018-2023)
    - 13.1.2 Forecast Trend (2024-2032)
  - 13.2 United Arab Emirates
    - 13.2.1 Historical Trend (2018-2023)
    - 13.2.2 Forecast Trend (2024-2032)
  - 13.3 Nigeria
    - 13.3.1 Historical Trend (2018-2023)
    - 13.3.2 Forecast Trend (2024-2032)
  - 13.4 South Africa
    - 13.4.1 Historical Trend (2018-2023)
    - 13.4.2 Forecast Trend (2024-2032)
  - 13.5 Others
- 14 Market Dynamics
  - 14.1 SWOT Analysis
    - 14.1.1 Strengths

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- 14.1.2 Weaknesses
- 14.1.3 Opportunities
- 14.1.4 Threats
- 14.2 Porter's Five Forces Analysis
  - 14.2.1 Supplier's Power
  - 14.2.2 Buyer's Power
  - 14.2.3 Threat of New Entrants
  - 14.2.4 Degree of Rivalry
  - 14.2.5 Threat of Substitutes
- 14.3 Key Indicators for Demand
- 14.4 Key Indicators for Price
- 15 Value Chain Analysis
- 16 Competitive Landscape
  - 16.1 Market Structure
  - 16.2 Company Profiles
    - 16.2.1 Sumitomo Chemical Co., Limited
      - 16.2.1.1 Company Overview
      - 16.2.1.2 Product Portfolio
      - 16.2.1.3 Demographic Reach and Achievements
      - 16.2.1.4 Certifications
    - 16.2.2 Nippon Light Metal Co., Ltd.
      - 16.2.2.1 Company Overview
      - 16.2.2.2 Product Portfolio
      - 16.2.2.3 Demographic Reach and Achievements
      - 16.2.2.4 Certifications
    - 16.2.3 Baikowski SA
      - 16.2.3.1 Company Overview
      - 16.2.3.2 Product Portfolio
      - 16.2.3.3 Demographic Reach and Achievements
      - 16.2.3.4 Certifications
    - 16.2.4 Polar Performance Materials
      - 16.2.4.1 Company Overview
      - 16.2.4.2 Product Portfolio
      - 16.2.4.3 Demographic Reach and Achievements
      - 16.2.4.4 Certifications
    - 16.2.5 Honghe Chemical
      - 16.2.5.1 Company Overview
      - 16.2.5.2 Product Portfolio
      - 16.2.5.3 Demographic Reach and Achievements
      - 16.2.5.4 Certifications
    - 16.2.6 Norsk Hydro ASA
      - 16.2.6.1 Company Overview
      - 16.2.6.2 Product Portfolio
      - 16.2.6.3 Demographic Reach and Achievements
      - 16.2.6.4 Certifications
    - 16.2.7 Aluminum Corporation of China (CHALCO)
      - 16.2.7.1 Company Overview

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- 16.2.7.2 Product Portfolio
- 16.2.7.3 Demographic Reach and Achievements
- 16.2.7.4 Certifications
- 16.2.8 Sasol Limited
  - 16.2.8.1 Company Overview
  - 16.2.8.2 Product Portfolio
  - 16.2.8.3 Demographic Reach and Achievements
  - 16.2.8.4 Certifications
- 16.2.9 Cadoux Limited
  - 16.2.9.1 Company Overview
  - 16.2.9.2 Product Portfolio
  - 16.2.9.3 Demographic Reach and Achievements
  - 16.2.9.4 Certifications
- 16.2.10 RUSAL
  - 16.2.10.1 Company Overview
  - 16.2.10.2 Product Portfolio
  - 16.2.10.3 Demographic Reach and Achievements
  - 16.2.10.4 Certifications
- 16.2.11 Others
- 17 Key Trends and Developments in the Market

#### List of Key Figures and Tables

1. Global High Purity Alumina Market: Key Industry Highlights, 2018 and 2032
2. Global High Purity Alumina Historical Market: Breakup by Type (USD Billion), 2018-2023
3. Global High Purity Alumina Market Forecast: Breakup by Type (USD Billion), 2024-2032
4. Global High Purity Alumina Historical Market: Breakup by Technology (USD Billion), 2018-2023
5. Global High Purity Alumina Market Forecast: Breakup by Technology (USD Billion), 2024-2032
6. Global High Purity Alumina Historical Market: Breakup by Application (USD Billion), 2018-2023
7. Global High Purity Alumina Market Forecast: Breakup by Application (USD Billion), 2024-2032
8. Global High Purity Alumina Historical Market: Breakup by Region (USD Billion), 2018-2023
9. Global High Purity Alumina Market Forecast: Breakup by Region (USD Billion), 2024-2032
10. North America High Purity Alumina Historical Market: Breakup by Country (USD Billion), 2018-2023
11. North America High Purity Alumina Market Forecast: Breakup by Country (USD Billion), 2024-2032
12. Europe High Purity Alumina Historical Market: Breakup by Country (USD Billion), 2018-2023
13. Europe High Purity Alumina Market Forecast: Breakup by Country (USD Billion), 2024-2032
14. Asia Pacific High Purity Alumina Historical Market: Breakup by Country (USD Billion), 2018-2023
15. Asia Pacific High Purity Alumina Market Forecast: Breakup by Country (USD Billion), 2024-2032
16. Latin America High Purity Alumina Historical Market: Breakup by Country (USD Billion), 2018-2023
17. Latin America High Purity Alumina Market Forecast: Breakup by Country (USD Billion), 2024-2032
18. Middle East and Africa High Purity Alumina Historical Market: Breakup by Country (USD Billion), 2018-2023
19. Middle East and Africa High Purity Alumina Market Forecast: Breakup by Country (USD Billion), 2024-2032
20. Global High Purity Alumina Market Structure

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