

# Global Bauxite Market Analysis: Plant Capacity, Production, Operating Efficiency, Demand & Supply, Grade, End-User Industries, Sales Channel, Regional Demand, Company Share, 2015-2035

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## Abstracts

The global Bauxite market has expanded remarkably to reach approximately 271 million tonnes valued at USD 14 billion in 2021 and is expected to grow at a CAGR of 3.65% during the forecast period until 2035. Bauxite Hills Mine, one of the mining projects of Metro Mining Ltd., has planned to enhance its annual production capacity to reach 7 million metric tonnes per annum by 2023.

Bauxite is a natural ore containing one or more aluminum hydroxide minerals with trace amounts of impurities such as silica, iron oxide, titania, aluminosilicate, and others. The most typical locations for the reddish clay-based rock bauxite are in tropical and subtropical areas. Bauxite ore is refined to produce alumina (Al<sub>2</sub>O<sub>3</sub>). Alumina is a white yellowish powder with various applications to manufacture abrasives, refractories, glass products, and ceramics. Alumina is further converted to aluminium by a smelting process known as Hall-Heroult Process. Aluminum's exceptional qualities, such as its high strength, high ductility, and light weight, have led to a surge in the use of aluminum to produce light vehicle parts

Bauxite is the main source for the manufacturing of alumina due to its high alumina content. Alumina is further used to synthesize aluminum. The primary driver of bauxite global market is aluminum production, which is anticipated to rise in response to rising demand from the building, transportation, and packaging sectors. In 2021, approximately 92% of global bauxite was utilized for alumina production which is anticipated to rise in the forecast period.

Based on demand all across the globe, the Asia Pacific reported to be the biggest consumer of bauxite market. During the projected period, it is expected that rising demand for aluminum in the packaging, construction, and electric vehicle (EV) industries in this region would drive up Bauxite Market. Europe stands as the second largest consumer of Bauxite. Corresponding to the rising demand of Aluminum for applications like developing energy-efficient buildings and electric vehicles, the demand of Bauxite will swell in this region. Australia is the largest bauxite producer followed by Guinea. In 2021, the Bauxite production from Australian companies more than 30% of the global bauxite production.

Based on grade, the Bauxite market is segregated into Metallurgical Grade and Refractory Grade. Although, the metallurgical grade dominates the global bauxite market and was holding a market share of about 80% in 2021. This grade of Bauxite can withstand debonding, chemical and physical reactions, and cracking. It can be used to make boiler combustion wall, furnace parts, regenerator sidewalls, and analyzers.

Based on the end-user industry, the global Bauxite market is segmented into different industrial sectors that include Alumina Production, Refractory, Cement, and others. Although, the Alumina Production industry is the dominating as a consumer for Bauxite market. Alumina is derived from Bauxite ore and employed in multiple industries due to its qualities, that includes a great toughness, high melting point, and electrical resistance. It is anticipated to remain the most significant consuming industry in forecast period. Bauxite is employed as an additive in the Portland Cement. The demand for Bauxite in the Cement industry is expected to soar in the forecast period owing to the construction activities on a global level.

Major players in the production of Global Bauxite are Rio Tinto Ltd., Aluminum Corporation of China Limited (CHALCO), Alcoa World Alumina and Chemicals, South32, Alliance Mining Commodities, Compagnie des Bauxites de Guinea (CBG)(JV), Emirates Global Aluminium, and others.

Years considered for this report:

Historical Period: 2015- 2021

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2023-2035

#### Objective of the Study:

To assess the demand-supply scenario of Bauxite which covers production, demand and supply of Bauxite market in the globe.

To analyse and forecast the market size of Bauxite

To classify and forecast Global Bauxite market based on end-use and regional distribution.

To examine competitive developments such as expansions, mergers & acquisitions, etc., of Bauxite market in the globe.

To extract data for Global Bauxite market, primary research surveys were conducted with Bauxite manufacturers, suppliers, distributors, wholesalers and Traders. While interviewing, the respondents were also inquired about their competitors. Through this technique, ChemAnalyst was able to include manufacturers that could not be identified due to the limitations of secondary research. Moreover, ChemAnalyst analyzed various segments and projected a positive outlook for Global Bauxite market over the coming years.

ChemAnalyst calculated Bauxite demand in the globe by analyzing the historical data and demand forecast which was carried out considering the historical extraction and supply and demand of bauxite across the globe. ChemAnalyst sourced these values from industry experts, and company representatives and externally validated through analyzing historical sales data of respective manufacturers to arrive at the overall market size. Various secondary sources such as company websites, association reports, annual reports, etc., were also studied by ChemAnalyst.

#### Key Target Audience:

Bauxites and aluminum manufacturers and other stakeholders

Organizations, forums and alliances related to Bauxites

## distribution

Government bodies such as regulating authorities and policy makers

Market research organizations and consulting companies

The study is useful in providing answers to several critical questions that are important for industry stakeholders such as Bauxites manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years (next two to five years), thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.

### Report Scope:

In this report, Global Bauxites market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Market, by Grade: Metallurgical Grade and Refractory Grade

Market, by End-Use: Alumina Production, Refractory, Cement, and others.

Market, by Sales Channel: Direct Sale and Indirect Sale

Market, by Region: North America, Europe, Asia Pacific, Middle East and Africa, and South America.

### Available Customizations:

With the given market data, ChemAnalyst offers customizations according to a company's specific needs.

## Contents

### **1. CAPACITY BY COMPANY**

On our online platform, you can stay up to date with essential manufacturers and their current and future operation capacity on a practically real-time basis for Bauxite.

### **2. CAPACITY BY LOCATION**

To better understand the regional supply of Bauxite by analyzing its manufacturers' location-based capacity.

### **3. PRODUCTION BY COMPANY**

Study the historical annual production of Bauxite by the leading players and forecast how it will grow in the coming years.

### **4. DEMAND BY GRADE**

Learn about the various grades of Bauxite- Metallurgical Grade and Refractory Grade, and their demands. It will allow you to choose which grade to concentrate on when designing your strategy.

### **5. DEMAND BY END- USE**

Discover which end-user industry (Alumina Production, Refractory, Cement, and others) are creating a market and the forecast for the growth of the Bauxite market.

### **6. DEMAND BY REGION**

Analysing the change in demand of Bauxite in different regions, i.e., North America, Europe, Asia Pacific, Middle East and Africa, and South America, that can direct you in mapping the regional demand.

### **7. DEMAND BY SALES CHANNEL (DIRECT AND INDIRECT)**

Multiple channels are used to sell Bauxite. Our sales channel will help in analyzing whether distributors and dealers or direct sales make up most of the industry's sales.

## **8. DEMAND-SUPPLY GAP**

Determine the supply-demand gap to gain information about the trade surplus or deficiency of Bauxite.

## **9. COMPANY SHARE**

Figure out what proportion of the market share of Bauxite is currently held by leading players across the globe.

## **10. PRICING ANALYSIS & FORECAST**

Analyze historical prices since 2015 & Forecast on three months rolling period for next 12 months.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2032

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