

# Global Yttrium Hydride Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Yttrium Hydride market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Yttrium hydride is a compound of hydrogen and yttrium. It is considered to be a part of the class of rare-earth metal hydrides. It exists in several forms, the most common being a metallic compound with formula  $YH_2$ .  $YH_2$  has a face-centred cubic structure, and is a metallic compound. Under great pressure, extra hydrogen can combine to yield an insulator with a hexagonal structure, with a formula close to  $YH_3$ . When containing a substantial amount of oxygen, yttrium hydride is also found to exhibit reversible photochromic properties. This switchable optical property enables their utilization in many technological applications, such as sensors, goggles, and medical devices in addition to the smart windows. Yttrium hydride is being looked at as a neutron moderator for use in new nuclear reactor designs.

This report studies the global Yttrium Hydride production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Yttrium Hydride, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Yttrium Hydride that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Yttrium Hydride total production and demand, 2018-2029, (Tons)

Global Yttrium Hydride total production value, 2018-2029, (USD Million)

Global Yttrium Hydride production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Yttrium Hydride consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Yttrium Hydride domestic production, consumption, key domestic manufacturers and share

Global Yttrium Hydride production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Yttrium Hydride production by Purity, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Yttrium Hydride production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons).

This reports profiles key players in the global Yttrium Hydride market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABSCO Limited, Jilin Claire Biotechnology Co., Ltd., JiangXi Viilaa Metal Material Co., Ltd., LEAP CHEM CO., LTD., HANGZHOU JHECHEM CO LTD, Cerametek Materials?ShenZhen?Co., Ltd.

, Xiamen Equation Chemical Co.,Ltd. and Shanghai Longjin Metallic Material Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Yttrium Hydride market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (Tons) and average price (US\$/kg) by manufacturer, by Purity, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global Yttrium Hydride Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Yttrium Hydride Market, Segmentation by Purity

Above 99%

0.99

#### Global Yttrium Hydride Market, Segmentation by Application

Chemical

Medical

Nuclear Industry

## Companies Profiled:

ABSCO Limited

Jilin Claire Biotechnology Co., Ltd.

JiangXi Viilaa Metal Material Co., Ltd.

LEAP CHEM CO., LTD.

HANGZHOU JHECHEM CO LTD

Cerametek Materials?ShenZhen?Co., Ltd.

Xiamen Equation Chemical Co.,Ltd.

Shanghai Longjin Metallic Material Co., Ltd.

## Key Questions Answered

1. How big is the global Yttrium Hydride market?
2. What is the demand of the global Yttrium Hydride market?
3. What is the year over year growth of the global Yttrium Hydride market?
4. What is the production and production value of the global Yttrium Hydride market?
5. Who are the key producers in the global Yttrium Hydride market?
6. What are the growth factors driving the market demand?

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