

# Global Molecular Sieve Adsorbents Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

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## Abstracts

### Summary

From a narrow sense, the molecular sieve is a crystalline silicate or silicoaluminate, formed by a silicon-oxygen tetrahedron or an aluminum-oxygen tetrahedron connected by an oxygen-bridge bond. From the broad sense, there are regular and uniform pores in the structure, the aperture of which is an order of magnitude of the size of the molecule. It only allows molecules with a diameter smaller than the aperture to enter, so the molecules in the mixture can be screened by size. Molecular sieve industry technology is relatively mature, low-end product entry threshold is relatively low. The key technologies are controlled by UOP, a subsidiary of Honeywell in the US, CECA, a subsidiary of Arkema in France, Tosoh in Japan and Grace in the US. Meanwhile, the high-end product field is almost occupied by these leading multinational companies. China has a large number of enterprises, but the overall relatively scattered scale is not high. Domestic large scale such as Dalian Haixin Chemical Co., Ltd., Luoyang Jianlong Chemical Co., Ltd., Shanghai Hengye Chemical Co., Ltd., etc., in more than 50 domestic production enterprises in a relatively leading position. In terms of market demand, it has maintained a steady growth in recent years. With the recovery of the global economy, especially the economic growth in the United States, and the rapid economic growth in China, India and other countries, the molecular sieve industry will maintain the current growth momentum in the future. After years of development, with the improvement of network information transparency, the market of molecular sieve industry in China has realized full competition, and has formed industrial clusters according to traffic, resources and other factors, to achieve high cost saving. On the whole, China's molecular sieve industry is a small industry with a total capacity of about 140,000 tons, an annual output of about 100,000 tons and an annual output value of

about 200 million U.S. dollars. Domestic enterprises are relatively dispersed, the products are mainly medium and low-end products, but the domestic demand is large, UOP has established a production base in China as early as possible, and expanded the production capacity in the Shanghai base in 2006. Other multinationals may also set up production bases or joint ventures in China in the future. In recent years, with the domestic environmental protection is becoming more and more strict supervision and inspection measures, a large number of small plant elimination closure, lead to decreasing of production enterprises, facing a shortage of supply, leading to domestic product price is on the rise, remaining enterprises gross margin improved, showing a strong stronger, in the coming years, product prices and gross margin is expected to continue to maintain strong, domestic will emerge a batch of mature and stable product quality excellent enterprise, its place in the international market.

According to APO Research, The global Molecular Sieve Adsorbents market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

The US & Canada market for Molecular Sieve Adsorbents is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Molecular Sieve Adsorbents is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for Molecular Sieve Adsorbents is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Molecular Sieve Adsorbents is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Molecular Sieve Adsorbents include UOP (Honeywell), CECA (Arkema), Tosoh, Grace, Zeochem AG, CWK, KNT, Zeolites & Allied Products and Haixin Chemical, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

In terms of production side, this report researches the Molecular Sieve Adsorbents

production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Molecular Sieve Adsorbents by region (region level and country level), by company, by type and by application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Molecular Sieve Adsorbents, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Molecular Sieve Adsorbents, also provides the consumption of main regions and countries. Of the upcoming market potential for Molecular Sieve Adsorbents, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Molecular Sieve Adsorbents sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Molecular Sieve Adsorbents market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by type and by application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Molecular Sieve Adsorbents sales, projected growth trends, production technology, application and end-user industry.

Molecular Sieve Adsorbents segment by Company

UOP (Honeywell)

CECA (Arkema)

Tosoh

Grace

Zeochem AG

CWK

KNT

Zeolites & Allied Products

Haixin Chemical

Shanghai Hengye

Fulong New Materials

Pingxiang Xintao

Zhengzhou Snow

Luoyang Jianlong Chemical

Henan Huanyu Molecular Sieve

Shanghai Jiu-Zhou Chemical

Anhui Mingmei Minchem

Shanghai Zeolite Molecular Sieve

Zhongbao Molecular Sieve

Shanghai Luqiang New Materials Co.,Ltd.

BASF

## Molecular Sieve Adsorbents segment by Type

3A

4A

5A

Type X

Other

## Molecular Sieve Adsorbents segment by Application

Air Separation

Petroleum Refining

Petrochemicals

Refrigerants

Natural Gas

## Molecular Sieve Adsorbents segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

### Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

### Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Molecular Sieve Adsorbents market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Molecular Sieve Adsorbents and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more

insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market.

5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Molecular Sieve Adsorbents.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## Chapter Outline

Chapter 1: Provides an overview of the Molecular Sieve Adsorbents market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Molecular Sieve Adsorbents industry.

Chapter 3: Detailed analysis of Molecular Sieve Adsorbents market competition landscape. Including Molecular Sieve Adsorbents manufacturers' output value, output and average price from 2019 to 2024, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price,



gross margin, product introduction, recent development, etc.

Chapter 7: Production/Production Value of Molecular Sieve Adsorbents by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8: Consumption of Molecular Sieve Adsorbents in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights of the report.

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