

# Global CHA Structured Molecular Sieve Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global CHA Structured Molecular Sieve market size was valued at US\$ 353 million in 2025 and is forecast to a readjusted size of US\$ 467 million by 2032 with a CAGR of 4.1% during review period.

CHA-structured zeolites are microporous crystalline materials characterized by a chabazite topological structure; they are classified as small-pore zeolites. These materials possess a regular, three-dimensional intersecting channel structure and exhibit high acid stability. Due to their unique combination of high specific surface area and tunable acidity, they are primarily utilized in applications such as automotive exhaust SCR denitrification, methanol-to-olefins (MTO) catalysis, and hydrocarbon adsorption.

The upstream sector primarily comprises raw material sources including silicon, aluminum, phosphorus, and alkali sources (or mineralizers) as well as organic templates and metal precursors (such as copper and iron salts) used for post-synthesis modification. The midstream sector encompasses manufacturing processes such as hydrothermal synthesis, calcination for template removal, ion exchange, shaping, and loading; this stage yields powdered zeolites, shaped catalysts, and zeolite membranes. The downstream sector focuses on end-use applications, notably methanol-to-olefins (MTO) conversion and NH<sub>3</sub>-SCR denitrification.

By 2025, global sales volume is projected to reach approximately 15,000 tons, with an average selling price ranging from \$21,000 to \$25,000 per ton. The industry typically maintains a gross profit margin of around 40%.

CHA-structured zeolites (particularly SSZ-13 and SAPO-34) have emerged as 'cornerstone' materials in the fields of environmental catalysis and energy conversion. Their unique shape-selective effects?stemming from their distinctive eight-membered ring pores?combined with their exceptional hydrothermal stability, have secured them an irreplaceable and dominant position in two strategic-level markets: diesel exhaust after-treatment (SCR) and methanol-to-olefins (MTO) conversion. Despite these promising application prospects, the CHA-structured zeolite industry faces a dual challenge: a fragile cost structure and the risk of technological substitution. The primary impediment lies in the heavy reliance on high-performance organic templates during the production process, which drives product prices significantly higher than those of conventional zeolites. Furthermore, as hydrogen energy and battery-electric commercial vehicles reach technological maturity, the anticipated contraction of the internal combustion engine market could exert downward pressure on the sales volume of these materials over the medium to long term.

This report is a detailed and comprehensive analysis for global CHA Structured Molecular Sieve market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global CHA Structured Molecular Sieve market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global CHA Structured Molecular Sieve market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global CHA Structured Molecular Sieve market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global CHA Structured Molecular Sieve market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

## The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for CHA Structured Molecular Sieve

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global CHA Structured Molecular Sieve market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Clariant, Honeywell UOP, China Catalyst Holding, Dalian Haixin Chemical, NANHUA (TIANJIN) CATALYST, Catalyst & Catalysis Technology, Brother Enterprises Holding, Shandong Qilu Huaxin Industry, Sichuan AoLifen Catalytic Materials, Sinopec, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

CHA Structured Molecular Sieve market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

SSZ-13

SAPO-34

Other

## Market segment by Chemical Systems

Aluminosilicates

Silicoaluminophosphates

Others

## Market segment by Size

Nanoscale

Microscale

## Market segment by Application

Automotive Exhaust Denitration (SCR)

Methanol-to-Olefins (MTO)

Others

## Major players covered

Clariant

Honeywell UOP

China Catalyst Holding

Dalian Haixin Chemical

NANHUA (TIANJIN) CATALYST

Catalyst & Catalysis Technology

Brother Enterprises Holding

Shandong Qilu Huaxin Industry

Sichuan AoLifen Catalytic Materials

Sinopec

Valiant

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe CHA Structured Molecular Sieve product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of CHA Structured Molecular Sieve, with price, sales quantity, revenue, and global market share of CHA Structured Molecular Sieve from 2021 to 2026.

Chapter 3, the CHA Structured Molecular Sieve competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the CHA Structured Molecular Sieve breakdown data are shown at the

regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and CHA Structured Molecular Sieve market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of CHA Structured Molecular Sieve.

Chapter 14 and 15, to describe CHA Structured Molecular Sieve sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global CHA Structured Molecular Sieve Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 SSZ-13

1.3.3 SAPO-34

1.3.4 Other

1.4 Market Analysis by Chemical Systems

1.4.1 Overview: Global CHA Structured Molecular Sieve Consumption Value by Chemical Systems: 2021 Versus 2025 Versus 2032

1.4.2 Aluminosilicates

1.4.3 Silicoaluminophosphates

1.4.4 Others

1.5 Market Analysis by Size

1.5.1 Overview: Global CHA Structured Molecular Sieve Consumption Value by Size: 2021 Versus 2025 Versus 2032

1.5.2 Nanoscale

1.5.3 Microscale

1.6 Market Analysis by Application

1.6.1 Overview: Global CHA Structured Molecular Sieve Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Automotive Exhaust Denitration (SCR)

1.6.3 Methanol-to-Olefins (MTO)

1.6.4 Others

1.7 Global CHA Structured Molecular Sieve Market Size & Forecast

1.7.1 Global CHA Structured Molecular Sieve Consumption Value (2021 & 2025 & 2032)

1.7.2 Global CHA Structured Molecular Sieve Sales Quantity (2021-2032)

1.7.3 Global CHA Structured Molecular Sieve Average Price (2021-2032)

### 2 MANUFACTURERS PROFILES

2.1 Clariant

2.1.1 Clariant Details

- 2.1.2 Clariant Major Business
- 2.1.3 Clariant CHA Structured Molecular Sieve Product and Services
- 2.1.4 Clariant CHA Structured Molecular Sieve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 Clariant Recent Developments/Updates
- 2.2 Honeywell UOP
  - 2.2.1 Honeywell UOP Details
  - 2.2.2 Honeywell UOP Major Business
  - 2.2.3 Honeywell UOP CHA Structured Molecular Sieve Product and Services
  - 2.2.4 Honeywell UOP CHA Structured Molecular Sieve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.2.5 Honeywell UOP Recent Developments/Updates
- 2.3 China Catalyst Holding
  - 2.3.1 China Catalyst Holding Details
  - 2.3.2 China Catalyst Holding Major Business
  - 2.3.3 China Catalyst Holding CHA Structured Molecular Sieve Product and Services
  - 2.3.4 China Catalyst Holding CHA Structured Molecular Sieve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.3.5 China Catalyst Holding Recent Developments/Updates
- 2.4 Dalian Haixin Chemical
  - 2.4.1 Dalian Haixin Chemical Details
  - 2.4.2 Dalian Haixin Chemical Major Business
  - 2.4.3 Dalian Haixin Chemical CHA Structured Molecular Sieve Product and Services
  - 2.4.4 Dalian Haixin Chemical CHA Structured Molecular Sieve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.4.5 Dalian Haixin Chemical Recent Developments/Updates
- 2.5 NANHUA (TIANJIN) CATALYST
  - 2.5.1 NANHUA (TIANJIN) CATALYST Details
  - 2.5.2 NANHUA (TIANJIN) CATALYST Major Business
  - 2.5.3 NANHUA (TIANJIN) CATALYST CHA Structured Molecular Sieve Product and Services
  - 2.5.4 NANHUA (TIANJIN) CATALYST CHA Structured Molecular Sieve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.5.5 NANHUA (TIANJIN) CATALYST Recent Developments/Updates
- 2.6 Catalyst & Catalysis Technology
  - 2.6.1 Catalyst & Catalysis Technology Details
  - 2.6.2 Catalyst & Catalysis Technology Major Business
  - 2.6.3 Catalyst & Catalysis Technology CHA Structured Molecular Sieve Product and Services

2.6.4 Catalyst & Catalysis Technology CHA Structured Molecular Sieve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Catalyst & Catalysis Technology Recent Developments/Updates

2.7 Brother Enterprises Holding

2.7.1 Brother Enterprises Holding Details

2.7.2 Brother Enterprises Holding Major Business

2.7.3 Brother Enterprises Holding CHA Structured Molecular Sieve Product and Services

2.7.4 Brother Enterprises Holding CHA Structured Molecular Sieve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Brother Enterprises Holding Recent Developments/Updates

2.8 Shandong Qilu Huaxin Industry

2.8.1 Shandong Qilu Huaxin Industry Details

2.8.2 Shandong Qilu Huaxin Industry Major Business

2.8.3 Shandong Qilu Huaxin Industry CHA Structured Molecular Sieve Product and Services

2.8.4 Shandong Qilu Huaxin Industry CHA Structured Molecular Sieve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 Shandong Qilu Huaxin Industry Recent Developments/Updates

2.9 Sichuan AoLifen Catalytic Materials

2.9.1 Sichuan AoLifen Catalytic Materials Details

2.9.2 Sichuan AoLifen Catalytic Materials Major Business

2.9.3 Sichuan AoLifen Catalytic Materials CHA Structured Molecular Sieve Product and Services

2.9.4 Sichuan AoLifen Catalytic Materials CHA Structured Molecular Sieve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Sichuan AoLifen Catalytic Materials Recent Developments/Updates

2.10 Sinopec

2.10.1 Sinopec Details

2.10.2 Sinopec Major Business

2.10.3 Sinopec CHA Structured Molecular Sieve Product and Services

2.10.4 Sinopec CHA Structured Molecular Sieve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Sinopec Recent Developments/Updates

2.11 Valiant

2.11.1 Valiant Details

2.11.2 Valiant Major Business

2.11.3 Valiant CHA Structured Molecular Sieve Product and Services

2.11.4 Valiant CHA Structured Molecular Sieve Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 Valiant Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: CHA STRUCTURED MOLECULAR SIEVE BY MANUFACTURER**

3.1 Global CHA Structured Molecular Sieve Sales Quantity by Manufacturer (2021-2026)

3.2 Global CHA Structured Molecular Sieve Revenue by Manufacturer (2021-2026)

3.3 Global CHA Structured Molecular Sieve Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of CHA Structured Molecular Sieve by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 CHA Structured Molecular Sieve Manufacturer Market Share in 2025

3.4.3 Top 6 CHA Structured Molecular Sieve Manufacturer Market Share in 2025

3.5 CHA Structured Molecular Sieve Market: Overall Company Footprint Analysis

3.5.1 CHA Structured Molecular Sieve Market: Region Footprint

3.5.2 CHA Structured Molecular Sieve Market: Company Product Type Footprint

3.5.3 CHA Structured Molecular Sieve Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

### **4 CONSUMPTION ANALYSIS BY REGION**

4.1 Global CHA Structured Molecular Sieve Market Size by Region

4.1.1 Global CHA Structured Molecular Sieve Sales Quantity by Region (2021-2032)

4.1.2 Global CHA Structured Molecular Sieve Consumption Value by Region (2021-2032)

4.1.3 Global CHA Structured Molecular Sieve Average Price by Region (2021-2032)

4.2 North America CHA Structured Molecular Sieve Consumption Value (2021-2032)

4.3 Europe CHA Structured Molecular Sieve Consumption Value (2021-2032)

4.4 Asia-Pacific CHA Structured Molecular Sieve Consumption Value (2021-2032)

4.5 South America CHA Structured Molecular Sieve Consumption Value (2021-2032)

4.6 Middle East & Africa CHA Structured Molecular Sieve Consumption Value (2021-2032)

### **5 MARKET SEGMENT BY TYPE**

- 5.1 Global CHA Structured Molecular Sieve Sales Quantity by Type (2021-2032)
- 5.2 Global CHA Structured Molecular Sieve Consumption Value by Type (2021-2032)
- 5.3 Global CHA Structured Molecular Sieve Average Price by Type (2021-2032)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global CHA Structured Molecular Sieve Sales Quantity by Application (2021-2032)
- 6.2 Global CHA Structured Molecular Sieve Consumption Value by Application (2021-2032)
- 6.3 Global CHA Structured Molecular Sieve Average Price by Application (2021-2032)

## **7 NORTH AMERICA**

- 7.1 North America CHA Structured Molecular Sieve Sales Quantity by Type (2021-2032)
- 7.2 North America CHA Structured Molecular Sieve Sales Quantity by Application (2021-2032)
- 7.3 North America CHA Structured Molecular Sieve Market Size by Country
  - 7.3.1 North America CHA Structured Molecular Sieve Sales Quantity by Country (2021-2032)
  - 7.3.2 North America CHA Structured Molecular Sieve Consumption Value by Country (2021-2032)
  - 7.3.3 United States Market Size and Forecast (2021-2032)
  - 7.3.4 Canada Market Size and Forecast (2021-2032)
  - 7.3.5 Mexico Market Size and Forecast (2021-2032)

## **8 EUROPE**

- 8.1 Europe CHA Structured Molecular Sieve Sales Quantity by Type (2021-2032)
- 8.2 Europe CHA Structured Molecular Sieve Sales Quantity by Application (2021-2032)
- 8.3 Europe CHA Structured Molecular Sieve Market Size by Country
  - 8.3.1 Europe CHA Structured Molecular Sieve Sales Quantity by Country (2021-2032)
  - 8.3.2 Europe CHA Structured Molecular Sieve Consumption Value by Country (2021-2032)
  - 8.3.3 Germany Market Size and Forecast (2021-2032)
  - 8.3.4 France Market Size and Forecast (2021-2032)
  - 8.3.5 United Kingdom Market Size and Forecast (2021-2032)
  - 8.3.6 Russia Market Size and Forecast (2021-2032)
  - 8.3.7 Italy Market Size and Forecast (2021-2032)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific CHA Structured Molecular Sieve Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific CHA Structured Molecular Sieve Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific CHA Structured Molecular Sieve Market Size by Region

9.3.1 Asia-Pacific CHA Structured Molecular Sieve Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific CHA Structured Molecular Sieve Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

## **10 SOUTH AMERICA**

10.1 South America CHA Structured Molecular Sieve Sales Quantity by Type (2021-2032)

10.2 South America CHA Structured Molecular Sieve Sales Quantity by Application (2021-2032)

10.3 South America CHA Structured Molecular Sieve Market Size by Country

10.3.1 South America CHA Structured Molecular Sieve Sales Quantity by Country (2021-2032)

10.3.2 South America CHA Structured Molecular Sieve Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa CHA Structured Molecular Sieve Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa CHA Structured Molecular Sieve Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa CHA Structured Molecular Sieve Market Size by Country

11.3.1 Middle East & Africa CHA Structured Molecular Sieve Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa CHA Structured Molecular Sieve Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

## **12 MARKET DYNAMICS**

12.1 CHA Structured Molecular Sieve Market Drivers

12.2 CHA Structured Molecular Sieve Market Restraints

12.3 CHA Structured Molecular Sieve Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of CHA Structured Molecular Sieve and Key Manufacturers

13.2 Manufacturing Costs Percentage of CHA Structured Molecular Sieve

13.3 CHA Structured Molecular Sieve Production Process

13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 CHA Structured Molecular Sieve Typical Distributors

14.3 CHA Structured Molecular Sieve Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global CHA Structured Molecular Sieve Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global CHA Structured Molecular Sieve Consumption Value by Chemical Systems, (USD Million), 2021 & 2025 & 2032

Table 3. Global CHA Structured Molecular Sieve Consumption Value by Size, (USD Million), 2021 & 2025 & 2032

Table 4. Global CHA Structured Molecular Sieve Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Clariant Basic Information, Manufacturing Base and Competitors

Table 6. Clariant Major Business

Table 7. Clariant CHA Structured Molecular Sieve Product and Services

Table 8. Clariant CHA Structured Molecular Sieve Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Clariant Recent Developments/Updates

Table 10. Honeywell UOP Basic Information, Manufacturing Base and Competitors

Table 11. Honeywell UOP Major Business

Table 12. Honeywell UOP CHA Structured Molecular Sieve Product and Services

Table 13. Honeywell UOP CHA Structured Molecular Sieve Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Honeywell UOP Recent Developments/Updates

Table 15. China Catalyst Holding Basic Information, Manufacturing Base and Competitors

Table 16. China Catalyst Holding Major Business

Table 17. China Catalyst Holding CHA Structured Molecular Sieve Product and Services

Table 18. China Catalyst Holding CHA Structured Molecular Sieve Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. China Catalyst Holding Recent Developments/Updates

Table 20. Dalian Haixin Chemical Basic Information, Manufacturing Base and Competitors

Table 21. Dalian Haixin Chemical Major Business

Table 22. Dalian Haixin Chemical CHA Structured Molecular Sieve Product and Services

Table 23. Dalian Haixin Chemical CHA Structured Molecular Sieve Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Dalian Haixin Chemical Recent Developments/Updates

Table 25. NANHUA (TIANJIN) CATALYST Basic Information, Manufacturing Base and Competitors

Table 26. NANHUA (TIANJIN) CATALYST Major Business

Table 27. NANHUA (TIANJIN) CATALYST CHA Structured Molecular Sieve Product and Services

Table 28. NANHUA (TIANJIN) CATALYST CHA Structured Molecular Sieve Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. NANHUA (TIANJIN) CATALYST Recent Developments/Updates

Table 30. Catalyst & Catalysis Technology Basic Information, Manufacturing Base and Competitors

Table 31. Catalyst & Catalysis Technology Major Business

Table 32. Catalyst & Catalysis Technology CHA Structured Molecular Sieve Product and Services

Table 33. Catalyst & Catalysis Technology CHA Structured Molecular Sieve Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Catalyst & Catalysis Technology Recent Developments/Updates

Table 35. Brother Enterprises Holding Basic Information, Manufacturing Base and Competitors

Table 36. Brother Enterprises Holding Major Business

Table 37. Brother Enterprises Holding CHA Structured Molecular Sieve Product and Services

Table 38. Brother Enterprises Holding CHA Structured Molecular Sieve Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Brother Enterprises Holding Recent Developments/Updates

Table 40. Shandong Qilu Huaxin Industry Basic Information, Manufacturing Base and Competitors

Table 41. Shandong Qilu Huaxin Industry Major Business

Table 42. Shandong Qilu Huaxin Industry CHA Structured Molecular Sieve Product and Services

Table 43. Shandong Qilu Huaxin Industry CHA Structured Molecular Sieve Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

- Table 44. Shandong Qilu Huaxin Industry Recent Developments/Updates
- Table 45. Sichuan AoLifen Catalytic Materials Basic Information, Manufacturing Base and Competitors
- Table 46. Sichuan AoLifen Catalytic Materials Major Business
- Table 47. Sichuan AoLifen Catalytic Materials CHA Structured Molecular Sieve Product and Services
- Table 48. Sichuan AoLifen Catalytic Materials CHA Structured Molecular Sieve Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 49. Sichuan AoLifen Catalytic Materials Recent Developments/Updates
- Table 50. Sinopec Basic Information, Manufacturing Base and Competitors
- Table 51. Sinopec Major Business
- Table 52. Sinopec CHA Structured Molecular Sieve Product and Services
- Table 53. Sinopec CHA Structured Molecular Sieve Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 54. Sinopec Recent Developments/Updates
- Table 55. Valiant Basic Information, Manufacturing Base and Competitors
- Table 56. Valiant Major Business
- Table 57. Valiant CHA Structured Molecular Sieve Product and Services
- Table 58. Valiant CHA Structured Molecular Sieve Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 59. Valiant Recent Developments/Updates
- Table 60. Global CHA Structured Molecular Sieve Sales Quantity by Manufacturer (2021-2026) & (Tons)
- Table 61. Global CHA Structured Molecular Sieve Revenue by Manufacturer (2021-2026) & (USD Million)
- Table 62. Global CHA Structured Molecular Sieve Average Price by Manufacturer (2021-2026) & (US\$/Ton)
- Table 63. Market Position of Manufacturers in CHA Structured Molecular Sieve, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
- Table 64. Head Office and CHA Structured Molecular Sieve Production Site of Key Manufacturer
- Table 65. CHA Structured Molecular Sieve Market: Company Product Type Footprint
- Table 66. CHA Structured Molecular Sieve Market: Company Product Application Footprint
- Table 67. CHA Structured Molecular Sieve New Market Entrants and Barriers to Market Entry
- Table 68. CHA Structured Molecular Sieve Mergers, Acquisition, Agreements, and Collaborations

Table 69. Global CHA Structured Molecular Sieve Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 70. Global CHA Structured Molecular Sieve Sales Quantity by Region (2021-2026) & (Tons)

Table 71. Global CHA Structured Molecular Sieve Sales Quantity by Region (2027-2032) & (Tons)

Table 72. Global CHA Structured Molecular Sieve Consumption Value by Region (2021-2026) & (USD Million)

Table 73. Global CHA Structured Molecular Sieve Consumption Value by Region (2027-2032) & (USD Million)

Table 74. Global CHA Structured Molecular Sieve Average Price by Region (2021-2026) & (US\$/Ton)

Table 75. Global CHA Structured Molecular Sieve Average Price by Region (2027-2032) & (US\$/Ton)

Table 76. Global CHA Structured Molecular Sieve Sales Quantity by Type (2021-2026) & (Tons)

Table 77. Global CHA Structured Molecular Sieve Sales Quantity by Type (2027-2032) & (Tons)

Table 78. Global CHA Structured Molecular Sieve Consumption Value by Type (2021-2026) & (USD Million)

Table 79. Global CHA Structured Molecular Sieve Consumption Value by Type (2027-2032) & (USD Million)

Table 80. Global CHA Structured Molecular Sieve Average Price by Type (2021-2026) & (US\$/Ton)

Table 81. Global CHA Structured Molecular Sieve Average Price by Type (2027-2032) & (US\$/Ton)

Table 82. Global CHA Structured Molecular Sieve Sales Quantity by Application (2021-2026) & (Tons)

Table 83. Global CHA Structured Molecular Sieve Sales Quantity by Application (2027-2032) & (Tons)

Table 84. Global CHA Structured Molecular Sieve Consumption Value by Application (2021-2026) & (USD Million)

Table 85. Global CHA Structured Molecular Sieve Consumption Value by Application (2027-2032) & (USD Million)

Table 86. Global CHA Structured Molecular Sieve Average Price by Application (2021-2026) & (US\$/Ton)

Table 87. Global CHA Structured Molecular Sieve Average Price by Application (2027-2032) & (US\$/Ton)

Table 88. North America CHA Structured Molecular Sieve Sales Quantity by Type

(2021-2026) & (Tons)

Table 89. North America CHA Structured Molecular Sieve Sales Quantity by Type (2027-2032) & (Tons)

Table 90. North America CHA Structured Molecular Sieve Sales Quantity by Application (2021-2026) & (Tons)

Table 91. North America CHA Structured Molecular Sieve Sales Quantity by Application (2027-2032) & (Tons)

Table 92. North America CHA Structured Molecular Sieve Sales Quantity by Country (2021-2026) & (Tons)

Table 93. North America CHA Structured Molecular Sieve Sales Quantity by Country (2027-2032) & (Tons)

Table 94. North America CHA Structured Molecular Sieve Consumption Value by Country (2021-2026) & (USD Million)

Table 95. North America CHA Structured Molecular Sieve Consumption Value by Country (2027-2032) & (USD Million)

Table 96. Europe CHA Structured Molecular Sieve Sales Quantity by Type (2021-2026) & (Tons)

Table 97. Europe CHA Structured Molecular Sieve Sales Quantity by Type (2027-2032) & (Tons)

Table 98. Europe CHA Structured Molecular Sieve Sales Quantity by Application (2021-2026) & (Tons)

Table 99. Europe CHA Structured Molecular Sieve Sales Quantity by Application (2027-2032) & (Tons)

Table 100. Europe CHA Structured Molecular Sieve Sales Quantity by Country (2021-2026) & (Tons)

Table 101. Europe CHA Structured Molecular Sieve Sales Quantity by Country (2027-2032) & (Tons)

Table 102. Europe CHA Structured Molecular Sieve Consumption Value by Country (2021-2026) & (USD Million)

Table 103. Europe CHA Structured Molecular Sieve Consumption Value by Country (2027-2032) & (USD Million)

Table 104. Asia-Pacific CHA Structured Molecular Sieve Sales Quantity by Type (2021-2026) & (Tons)

Table 105. Asia-Pacific CHA Structured Molecular Sieve Sales Quantity by Type (2027-2032) & (Tons)

Table 106. Asia-Pacific CHA Structured Molecular Sieve Sales Quantity by Application (2021-2026) & (Tons)

Table 107. Asia-Pacific CHA Structured Molecular Sieve Sales Quantity by Application (2027-2032) & (Tons)

Table 108. Asia-Pacific CHA Structured Molecular Sieve Sales Quantity by Region (2021-2026) & (Tons)

Table 109. Asia-Pacific CHA Structured Molecular Sieve Sales Quantity by Region (2027-2032) & (Tons)

Table 110. Asia-Pacific CHA Structured Molecular Sieve Consumption Value by Region (2021-2026) & (USD Million)

Table 111. Asia-Pacific CHA Structured Molecular Sieve Consumption Value by Region (2027-2032) & (USD Million)

Table 112. South America CHA Structured Molecular Sieve Sales Quantity by Type (2021-2026) & (Tons)

Table 113. South America CHA Structured Molecular Sieve Sales Quantity by Type (2027-2032) & (Tons)

Table 114. South America CHA Structured Molecular Sieve Sales Quantity by Application (2021-2026) & (Tons)

Table 115. South America CHA Structured Molecular Sieve Sales Quantity by Application (2027-2032) & (Tons)

Table 116. South America CHA Structured Molecular Sieve Sales Quantity by Country (2021-2026) & (Tons)

Table 117. South America CHA Structured Molecular Sieve Sales Quantity by Country (2027-2032) & (Tons)

Table 118. South America CHA Structured Molecular Sieve Consumption Value by Country (2021-2026) & (USD Million)

Table 119. South America CHA Structured Molecular Sieve Consumption Value by Country (2027-2032) & (USD Million)

Table 120. Middle East & Africa CHA Structured Molecular Sieve Sales Quantity by Type (2021-2026) & (Tons)

Table 121. Middle East & Africa CHA Structured Molecular Sieve Sales Quantity by Type (2027-2032) & (Tons)

Table 122. Middle East & Africa CHA Structured Molecular Sieve Sales Quantity by Application (2021-2026) & (Tons)

Table 123. Middle East & Africa CHA Structured Molecular Sieve Sales Quantity by Application (2027-2032) & (Tons)

Table 124. Middle East & Africa CHA Structured Molecular Sieve Sales Quantity by Country (2021-2026) & (Tons)

Table 125. Middle East & Africa CHA Structured Molecular Sieve Sales Quantity by Country (2027-2032) & (Tons)

Table 126. Middle East & Africa CHA Structured Molecular Sieve Consumption Value by Country (2021-2026) & (USD Million)

Table 127. Middle East & Africa CHA Structured Molecular Sieve Consumption Value

by Country (2027-2032) & (USD Million)

Table 128. CHA Structured Molecular Sieve Raw Material

Table 129. Key Manufacturers of CHA Structured Molecular Sieve Raw Materials

Table 130. CHA Structured Molecular Sieve Typical Distributors

Table 131. CHA Structured Molecular Sieve Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. CHA Structured Molecular Sieve Picture
- Figure 2. Global CHA Structured Molecular Sieve Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global CHA Structured Molecular Sieve Revenue Market Share by Type in 2025
- Figure 4. SSZ-13 Examples
- Figure 5. SAPO-34 Examples
- Figure 6. Other Examples
- Figure 7. Global CHA Structured Molecular Sieve Revenue by Chemical Systems, (USD Million), 2021 & 2025 & 2032
- Figure 8. Global CHA Structured Molecular Sieve Revenue Market Share by Chemical Systems in 2025
- Figure 9. Aluminosilicates Examples
- Figure 10. Silicoaluminophosphates Examples
- Figure 11. Others Examples
- Figure 12. Global CHA Structured Molecular Sieve Revenue by Size, (USD Million), 2021 & 2025 & 2032
- Figure 13. Global CHA Structured Molecular Sieve Revenue Market Share by Size in 2025
- Figure 14. Nanoscale Examples
- Figure 15. Microscale Examples
- Figure 16. Global CHA Structured Molecular Sieve Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 17. Global CHA Structured Molecular Sieve Revenue Market Share by Application in 2025
- Figure 18. Automotive Exhaust Denitration (SCR) Examples
- Figure 19. Methanol-to-Olefins (MTO) Examples
- Figure 20. Others Examples
- Figure 21. Global CHA Structured Molecular Sieve Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 22. Global CHA Structured Molecular Sieve Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 23. Global CHA Structured Molecular Sieve Sales Quantity (2021-2032) & (Tons)
- Figure 24. Global CHA Structured Molecular Sieve Price (2021-2032) & (US\$/Ton)
- Figure 25. Global CHA Structured Molecular Sieve Sales Quantity Market Share by

Manufacturer in 2025

Figure 26. Global CHA Structured Molecular Sieve Revenue Market Share by Manufacturer in 2025

Figure 27. Producer Shipments of CHA Structured Molecular Sieve by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 28. Top 3 CHA Structured Molecular Sieve Manufacturer (Revenue) Market Share in 2025

Figure 29. Top 6 CHA Structured Molecular Sieve Manufacturer (Revenue) Market Share in 2025

Figure 30. Global CHA Structured Molecular Sieve Sales Quantity Market Share by Region (2021-2032)

Figure 31. Global CHA Structured Molecular Sieve Consumption Value Market Share by Region (2021-2032)

Figure 32. North America CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 33. Europe CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 34. Asia-Pacific CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 35. South America CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 36. Middle East & Africa CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 37. Global CHA Structured Molecular Sieve Sales Quantity Market Share by Type (2021-2032)

Figure 38. Global CHA Structured Molecular Sieve Consumption Value Market Share by Type (2021-2032)

Figure 39. Global CHA Structured Molecular Sieve Average Price by Type (2021-2032) & (US\$/Ton)

Figure 40. Global CHA Structured Molecular Sieve Sales Quantity Market Share by Application (2021-2032)

Figure 41. Global CHA Structured Molecular Sieve Revenue Market Share by Application (2021-2032)

Figure 42. Global CHA Structured Molecular Sieve Average Price by Application (2021-2032) & (US\$/Ton)

Figure 43. North America CHA Structured Molecular Sieve Sales Quantity Market Share by Type (2021-2032)

Figure 44. North America CHA Structured Molecular Sieve Sales Quantity Market Share by Application (2021-2032)

Figure 45. North America CHA Structured Molecular Sieve Sales Quantity Market Share by Country (2021-2032)

Figure 46. North America CHA Structured Molecular Sieve Consumption Value Market Share by Country (2021-2032)

Figure 47. United States CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 48. Canada CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 49. Mexico CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 50. Europe CHA Structured Molecular Sieve Sales Quantity Market Share by Type (2021-2032)

Figure 51. Europe CHA Structured Molecular Sieve Sales Quantity Market Share by Application (2021-2032)

Figure 52. Europe CHA Structured Molecular Sieve Sales Quantity Market Share by Country (2021-2032)

Figure 53. Europe CHA Structured Molecular Sieve Consumption Value Market Share by Country (2021-2032)

Figure 54. Germany CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 55. France CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 56. United Kingdom CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 57. Russia CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 58. Italy CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 59. Asia-Pacific CHA Structured Molecular Sieve Sales Quantity Market Share by Type (2021-2032)

Figure 60. Asia-Pacific CHA Structured Molecular Sieve Sales Quantity Market Share by Application (2021-2032)

Figure 61. Asia-Pacific CHA Structured Molecular Sieve Sales Quantity Market Share by Region (2021-2032)

Figure 62. Asia-Pacific CHA Structured Molecular Sieve Consumption Value Market Share by Region (2021-2032)

Figure 63. China CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 64. Japan CHA Structured Molecular Sieve Consumption Value (2021-2032) &

(USD Million)

Figure 65. South Korea CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 66. India CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 67. Southeast Asia CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 68. Australia CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 69. South America CHA Structured Molecular Sieve Sales Quantity Market Share by Type (2021-2032)

Figure 70. South America CHA Structured Molecular Sieve Sales Quantity Market Share by Application (2021-2032)

Figure 71. South America CHA Structured Molecular Sieve Sales Quantity Market Share by Country (2021-2032)

Figure 72. South America CHA Structured Molecular Sieve Consumption Value Market Share by Country (2021-2032)

Figure 73. Brazil CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 74. Argentina CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 75. Middle East & Africa CHA Structured Molecular Sieve Sales Quantity Market Share by Type (2021-2032)

Figure 76. Middle East & Africa CHA Structured Molecular Sieve Sales Quantity Market Share by Application (2021-2032)

Figure 77. Middle East & Africa CHA Structured Molecular Sieve Sales Quantity Market Share by Country (2021-2032)

Figure 78. Middle East & Africa CHA Structured Molecular Sieve Consumption Value Market Share by Country (2021-2032)

Figure 79. Turkey CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 80. Egypt CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 81. Saudi Arabia CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 82. South Africa CHA Structured Molecular Sieve Consumption Value (2021-2032) & (USD Million)

Figure 83. CHA Structured Molecular Sieve Market Drivers

Figure 84. CHA Structured Molecular Sieve Market Restraints

Figure 85. CHA Structured Molecular Sieve Market Trends

Figure 86. Porters Five Forces Analysis

Figure 87. Manufacturing Cost Structure Analysis of CHA Structured Molecular Sieve in 2025

Figure 88. Manufacturing Process Analysis of CHA Structured Molecular Sieve

Figure 89. CHA Structured Molecular Sieve Industrial Chain

Figure 90. Sales Channel: Direct to End-User vs Distributors

Figure 91. Direct Channel Pros & Cons

Figure 92. Indirect Channel Pros & Cons

Figure 93. Methodology

Figure 94. Research Process and Data Source

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