

# Global High-Purity Vanadium Pentoxide Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global High-Purity Vanadium Pentoxide market size is expected to reach \$ 351 million by 2032, rising at a market growth of 3.1% CAGR during the forecast period (2026-2032).

Vanadium Pentoxide is the inorganic compound with the formula  $V_2O_5$ . It is a brown/yellow solid, although when freshly precipitated from aqueous solution, its color is deep orange. Because of its high oxidation state, it is both an amphoteric oxide and an oxidizing agent. From the industrial perspective, it is the most important compound of vanadium, being principal precursor to alloys of vanadium and is a widely used industrial catalyst.

High-purity Vanadium Pentoxide is a vanadium product with  $V_2O_5$  content greater than 99%. A typical “technical grade” vanadium pentoxide specification may call for material to be 99.2% pure with modest limits of trace elements including iron, potassium, sodium and silicon. In some applications for “high purity” vanadium pentoxide, the  $V_2O_5$  content of the material, as well as, the particle size and particle morphology are very important.

The High-purity Vanadium Pentoxide market covers Min.99%  $V_2O_5$ , Min.99.5%  $V_2O_5$ , etc. The typical players include U.S. Vanadium LLC, HBIS Group, etc.

The classification of High-purity Vanadium Pentoxide includes min.99.5%  $V_2O_5$ , min.99%  $V_2O_5$ , min. 99.9%  $V_2O_5$ . The proportion of min. 99.5%  $V_2O_5$  was about 71%, min.99%  $V_2O_5$  segment sales share was about 26% of total market.

High-purity Vanadium Pentoxide is widely used in Metallurgy/Steelmaking, Chemical

Catalyst, Vanadium Cell/VRB and other Industries. The most proportion of High-purity Vanadium Pentoxide is used in Metallurgy/Steelmaking segment, about 48% global sales share.

Asia-Pacific is the largest consumption region, with a consumption market share nearly 45%. Following APAC, Europe is the second largest consumption place with the consumption market share of 27%.

Market concentration is high and competition is intense. U.S. Vanadium LLC, HBIS Group, Hunan Huifeng High Energy Co., Ltd and Suzhou Donghua Fangui Co.Ltd. are the leaders in High-purity Vanadium Pentoxide industry, with about 48% market shares.

This report studies the global High-Purity Vanadium Pentoxide production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High-Purity Vanadium Pentoxide and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of High-Purity Vanadium Pentoxide that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global High-Purity Vanadium Pentoxide total production and demand, 2021-2032, (K MT)

Global High-Purity Vanadium Pentoxide total production value, 2021-2032, (USD Million)

Global High-Purity Vanadium Pentoxide production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K MT), (based on production site)

Global High-Purity Vanadium Pentoxide consumption by region & country, CAGR, 2021-2032 & (K MT)

U.S. VS China: High-Purity Vanadium Pentoxide domestic production, consumption, key domestic manufacturers and share

Global High-Purity Vanadium Pentoxide production by manufacturer, production, price,

value and market share 2021-2026, (USD Million) & (K MT)

Global High-Purity Vanadium Pentoxide production by Purity, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

Global High-Purity Vanadium Pentoxide production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

This report profiles key players in the global High-Purity Vanadium Pentoxide 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 U.S. Vanadium LLC, GfE, HBIS Group, Suzhou Donghua Fangui Co.Ltd., Liaoyang Hengye Chemical Co., Ltd., Hunan Huifeng High Energy Co., Ltd, Hunan Sanfeng Vanadium Industry Co., Ltd, BaiChuan Vanadium Industry, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World High-Purity Vanadium Pentoxide market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K MT) and average price (USD/MT) by manufacturer, by Purity, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global High-Purity Vanadium Pentoxide Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global High-Purity Vanadium Pentoxide Market, Segmentation by Purity:

Min.99.5% V<sub>2</sub>O<sub>5</sub>

Min.99% V<sub>2</sub>O<sub>5</sub>

Min.99.9% V<sub>2</sub>O<sub>5</sub>

#### Global High-Purity Vanadium Pentoxide Market, Segmentation by Application:

Metallurgy/Steelmaking

Chemical Catalyst

Vanadium Cell/VRB

Others

#### Companies Profiled:

U.S. Vanadium LLC

GfE

HBIS Group

Suzhou Donghua Fangui Co.Ltd.

Liaoyang Hengye Chemical Co., Ltd.

Hunan Huifeng High Energy Co., Ltd

Hunan Sanfeng Vanadium Industry Co., Ltd

BaiChuan Vanadium Industry

**Key Questions Answered:**

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

## Contents

### 1 SUPPLY SUMMARY

- 1.1 High-Purity Vanadium Pentoxide Introduction
- 1.2 World High-Purity Vanadium Pentoxide Supply & Forecast
  - 1.2.1 World High-Purity Vanadium Pentoxide Production Value (2021 & 2025 & 2032)
  - 1.2.2 World High-Purity Vanadium Pentoxide Production (2021-2032)
  - 1.2.3 World High-Purity Vanadium Pentoxide Pricing Trends (2021-2032)
- 1.3 World High-Purity Vanadium Pentoxide Production by Region (Based on Production Site)
  - 1.3.1 World High-Purity Vanadium Pentoxide Production Value by Region (2021-2032)
  - 1.3.2 World High-Purity Vanadium Pentoxide Production by Region (2021-2032)
  - 1.3.3 World High-Purity Vanadium Pentoxide Average Price by Region (2021-2032)
  - 1.3.4 North America High-Purity Vanadium Pentoxide Production (2021-2032)
  - 1.3.5 Europe High-Purity Vanadium Pentoxide Production (2021-2032)
  - 1.3.6 China High-Purity Vanadium Pentoxide Production (2021-2032)
  - 1.3.7 Japan High-Purity Vanadium Pentoxide Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 High-Purity Vanadium Pentoxide Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 High-Purity Vanadium Pentoxide Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World High-Purity Vanadium Pentoxide Demand (2021-2032)
- 2.2 World High-Purity Vanadium Pentoxide Consumption by Region
  - 2.2.1 World High-Purity Vanadium Pentoxide Consumption by Region (2021-2026)
  - 2.2.2 World High-Purity Vanadium Pentoxide Consumption Forecast by Region (2027-2032)
- 2.3 United States High-Purity Vanadium Pentoxide Consumption (2021-2032)
- 2.4 China High-Purity Vanadium Pentoxide Consumption (2021-2032)
- 2.5 Europe High-Purity Vanadium Pentoxide Consumption (2021-2032)
- 2.6 Japan High-Purity Vanadium Pentoxide Consumption (2021-2032)
- 2.7 South Korea High-Purity Vanadium Pentoxide Consumption (2021-2032)
- 2.8 ASEAN High-Purity Vanadium Pentoxide Consumption (2021-2032)
- 2.9 India High-Purity Vanadium Pentoxide Consumption (2021-2032)

### 3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World High-Purity Vanadium Pentoxide Production Value by Manufacturer (2021-2026)
- 3.2 World High-Purity Vanadium Pentoxide Production by Manufacturer (2021-2026)
- 3.3 World High-Purity Vanadium Pentoxide Average Price by Manufacturer (2021-2026)
- 3.4 High-Purity Vanadium Pentoxide Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global High-Purity Vanadium Pentoxide Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for High-Purity Vanadium Pentoxide in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for High-Purity Vanadium Pentoxide in 2025
- 3.6 High-Purity Vanadium Pentoxide Market: Overall Company Footprint Analysis
  - 3.6.1 High-Purity Vanadium Pentoxide Market: Region Footprint
  - 3.6.2 High-Purity Vanadium Pentoxide Market: Company Product Type Footprint
  - 3.6.3 High-Purity Vanadium Pentoxide Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

## **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: High-Purity Vanadium Pentoxide Production Value Comparison
  - 4.1.1 United States VS China: High-Purity Vanadium Pentoxide Production Value Comparison (2021 & 2025 & 2032)
  - 4.1.2 United States VS China: High-Purity Vanadium Pentoxide Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: High-Purity Vanadium Pentoxide Production Comparison
  - 4.2.1 United States VS China: High-Purity Vanadium Pentoxide Production Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: High-Purity Vanadium Pentoxide Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: High-Purity Vanadium Pentoxide Consumption Comparison
  - 4.3.1 United States VS China: High-Purity Vanadium Pentoxide Consumption Comparison (2021 & 2025 & 2032)
  - 4.3.2 United States VS China: High-Purity Vanadium Pentoxide Consumption Market

Share Comparison (2021 & 2025 & 2032)

4.4 United States Based High-Purity Vanadium Pentoxide Manufacturers and Market Share, 2021-2026

4.4.1 United States Based High-Purity Vanadium Pentoxide Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers High-Purity Vanadium Pentoxide Production Value (2021-2026)

4.4.3 United States Based Manufacturers High-Purity Vanadium Pentoxide Production (2021-2026)

4.5 China Based High-Purity Vanadium Pentoxide Manufacturers and Market Share

4.5.1 China Based High-Purity Vanadium Pentoxide Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers High-Purity Vanadium Pentoxide Production Value (2021-2026)

4.5.3 China Based Manufacturers High-Purity Vanadium Pentoxide Production (2021-2026)

4.6 Rest of World Based High-Purity Vanadium Pentoxide Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based High-Purity Vanadium Pentoxide Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers High-Purity Vanadium Pentoxide Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers High-Purity Vanadium Pentoxide Production (2021-2026)

## **5 MARKET ANALYSIS BY PURITY**

5.1 World High-Purity Vanadium Pentoxide Market Size Overview by Purity: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Purity

5.2.1 Min.99.5% V<sub>2</sub>O<sub>5</sub>

5.2.2 Min.99% V<sub>2</sub>O<sub>5</sub>

5.2.3 Min.99.9% V<sub>2</sub>O<sub>5</sub>

5.3 Market Segment by Purity

5.3.1 World High-Purity Vanadium Pentoxide Production by Purity (2021-2032)

5.3.2 World High-Purity Vanadium Pentoxide Production Value by Purity (2021-2032)

5.3.3 World High-Purity Vanadium Pentoxide Average Price by Purity (2021-2032)

## **6 MARKET ANALYSIS BY APPLICATION**

6.1 World High-Purity Vanadium Pentoxide Market Size Overview by Application: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Application

6.2.1 Metallurgy/Steelmaking

6.2.2 Chemical Catalyst

6.2.3 Vanadium Cell/VRB

6.2.4 Others

6.3 Market Segment by Application

6.3.1 World High-Purity Vanadium Pentoxide Production by Application (2021-2032)

6.3.2 World High-Purity Vanadium Pentoxide Production Value by Application (2021-2032)

6.3.3 World High-Purity Vanadium Pentoxide Average Price by Application (2021-2032)

## **7 COMPANY PROFILES**

7.1 U.S. Vanadium LLC

7.1.1 U.S. Vanadium LLC Details

7.1.2 U.S. Vanadium LLC Major Business

7.1.3 U.S. Vanadium LLC High-Purity Vanadium Pentoxide Product and Services

7.1.4 U.S. Vanadium LLC High-Purity Vanadium Pentoxide Production, Price, Value, Gross Margin and Market Share (2021-2026)

7.1.5 U.S. Vanadium LLC Recent Developments/Updates

7.1.6 U.S. Vanadium LLC Competitive Strengths & Weaknesses

7.2 GfE

7.2.1 GfE Details

7.2.2 GfE Major Business

7.2.3 GfE High-Purity Vanadium Pentoxide Product and Services

7.2.4 GfE High-Purity Vanadium Pentoxide Production, Price, Value, Gross Margin and Market Share (2021-2026)

7.2.5 GfE Recent Developments/Updates

7.2.6 GfE Competitive Strengths & Weaknesses

7.3 HBIS Group

7.3.1 HBIS Group Details

7.3.2 HBIS Group Major Business

7.3.3 HBIS Group High-Purity Vanadium Pentoxide Product and Services

7.3.4 HBIS Group High-Purity Vanadium Pentoxide Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 7.3.5 HBIS Group Recent Developments/Updates
- 7.3.6 HBIS Group Competitive Strengths & Weaknesses
- 7.4 Suzhou Donghua Fangui Co.Ltd.
  - 7.4.1 Suzhou Donghua Fangui Co.Ltd. Details
  - 7.4.2 Suzhou Donghua Fangui Co.Ltd. Major Business
  - 7.4.3 Suzhou Donghua Fangui Co.Ltd. High-Purity Vanadium Pentoxide Product and Services
  - 7.4.4 Suzhou Donghua Fangui Co.Ltd. High-Purity Vanadium Pentoxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 7.4.5 Suzhou Donghua Fangui Co.Ltd. Recent Developments/Updates
  - 7.4.6 Suzhou Donghua Fangui Co.Ltd. Competitive Strengths & Weaknesses
- 7.5 Liaoyang Hengye Chemical Co., Ltd.
  - 7.5.1 Liaoyang Hengye Chemical Co., Ltd. Details
  - 7.5.2 Liaoyang Hengye Chemical Co., Ltd. Major Business
  - 7.5.3 Liaoyang Hengye Chemical Co., Ltd. High-Purity Vanadium Pentoxide Product and Services
  - 7.5.4 Liaoyang Hengye Chemical Co., Ltd. High-Purity Vanadium Pentoxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 7.5.5 Liaoyang Hengye Chemical Co., Ltd. Recent Developments/Updates
  - 7.5.6 Liaoyang Hengye Chemical Co., Ltd. Competitive Strengths & Weaknesses
- 7.6 Hunan Huifeng High Energy Co., Ltd
  - 7.6.1 Hunan Huifeng High Energy Co., Ltd Details
  - 7.6.2 Hunan Huifeng High Energy Co., Ltd Major Business
  - 7.6.3 Hunan Huifeng High Energy Co., Ltd High-Purity Vanadium Pentoxide Product and Services
  - 7.6.4 Hunan Huifeng High Energy Co., Ltd High-Purity Vanadium Pentoxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 7.6.5 Hunan Huifeng High Energy Co., Ltd Recent Developments/Updates
  - 7.6.6 Hunan Huifeng High Energy Co., Ltd Competitive Strengths & Weaknesses
- 7.7 Hunan Sanfeng Vanadium Industry Co., Ltd
  - 7.7.1 Hunan Sanfeng Vanadium Industry Co., Ltd Details
  - 7.7.2 Hunan Sanfeng Vanadium Industry Co., Ltd Major Business
  - 7.7.3 Hunan Sanfeng Vanadium Industry Co., Ltd High-Purity Vanadium Pentoxide Product and Services
  - 7.7.4 Hunan Sanfeng Vanadium Industry Co., Ltd High-Purity Vanadium Pentoxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 7.7.5 Hunan Sanfeng Vanadium Industry Co., Ltd Recent Developments/Updates
  - 7.7.6 Hunan Sanfeng Vanadium Industry Co., Ltd Competitive Strengths & Weaknesses

## 7.8 BaiChuan Vanadium Industry

### 7.8.1 BaiChuan Vanadium Industry Details

### 7.8.2 BaiChuan Vanadium Industry Major Business

### 7.8.3 BaiChuan Vanadium Industry High-Purity Vanadium Pentoxide Product and Services

### 7.8.4 BaiChuan Vanadium Industry High-Purity Vanadium Pentoxide Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 7.8.5 BaiChuan Vanadium Industry Recent Developments/Updates

### 7.8.6 BaiChuan Vanadium Industry Competitive Strengths & Weaknesses

## 8 INDUSTRY CHAIN ANALYSIS

### 8.1 High-Purity Vanadium Pentoxide Industry Chain

### 8.2 High-Purity Vanadium Pentoxide Upstream Analysis

#### 8.2.1 High-Purity Vanadium Pentoxide Core Raw Materials

#### 8.2.2 Main Manufacturers of High-Purity Vanadium Pentoxide Core Raw Materials

### 8.3 Midstream Analysis

### 8.4 Downstream Analysis

### 8.5 High-Purity Vanadium Pentoxide Production Mode

### 8.6 High-Purity Vanadium Pentoxide Procurement Model

### 8.7 High-Purity Vanadium Pentoxide Industry Sales Model and Sales Channels

#### 8.7.1 High-Purity Vanadium Pentoxide Sales Model

#### 8.7.2 High-Purity Vanadium Pentoxide Typical Distributors

## 9 RESEARCH FINDINGS AND CONCLUSION

## 10 APPENDIX

### 10.1 Methodology

### 10.2 Research Process and Data Source

### 10.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World High-Purity Vanadium Pentoxide Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World High-Purity Vanadium Pentoxide Production Value by Region (2021-2026) & (USD Million)

Table 3. World High-Purity Vanadium Pentoxide Production Value by Region (2027-2032) & (USD Million)

Table 4. World High-Purity Vanadium Pentoxide Production Value Market Share by Region (2021-2026)

Table 5. World High-Purity Vanadium Pentoxide Production Value Market Share by Region (2027-2032)

Table 6. World High-Purity Vanadium Pentoxide Production by Region (2021-2026) & (K MT)

Table 7. World High-Purity Vanadium Pentoxide Production by Region (2027-2032) & (K MT)

Table 8. World High-Purity Vanadium Pentoxide Production Market Share by Region (2021-2026)

Table 9. World High-Purity Vanadium Pentoxide Production Market Share by Region (2027-2032)

Table 10. World High-Purity Vanadium Pentoxide Average Price by Region (2021-2026) & (USD/MT)

Table 11. World High-Purity Vanadium Pentoxide Average Price by Region (2027-2032) & (USD/MT)

Table 12. High-Purity Vanadium Pentoxide Major Market Trends

Table 13. World High-Purity Vanadium Pentoxide Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K MT)

Table 14. World High-Purity Vanadium Pentoxide Consumption by Region (2021-2026) & (K MT)

Table 15. World High-Purity Vanadium Pentoxide Consumption Forecast by Region (2027-2032) & (K MT)

Table 16. World High-Purity Vanadium Pentoxide Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key High-Purity Vanadium Pentoxide Producers in 2025

Table 18. World High-Purity Vanadium Pentoxide Production by Manufacturer (2021-2026) & (K MT)

Table 19. Production Market Share of Key High-Purity Vanadium Pentoxide Producers in 2025

Table 20. World High-Purity Vanadium Pentoxide Average Price by Manufacturer (2021-2026) & (USD/MT)

Table 21. Global High-Purity Vanadium Pentoxide Company Evaluation Quadrant

Table 22. World High-Purity Vanadium Pentoxide Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and High-Purity Vanadium Pentoxide Production Site of Key Manufacturer

Table 24. High-Purity Vanadium Pentoxide Market: Company Product Type Footprint

Table 25. High-Purity Vanadium Pentoxide Market: Company Product Application Footprint

Table 26. High-Purity Vanadium Pentoxide Competitive Factors

Table 27. High-Purity Vanadium Pentoxide New Entrant and Capacity Expansion Plans

Table 28. High-Purity Vanadium Pentoxide Mergers & Acquisitions Activity

Table 29. United States VS China High-Purity Vanadium Pentoxide Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China High-Purity Vanadium Pentoxide Production Comparison, (2021 & 2025 & 2032) & (K MT)

Table 31. United States VS China High-Purity Vanadium Pentoxide Consumption Comparison, (2021 & 2025 & 2032) & (K MT)

Table 32. United States Based High-Purity Vanadium Pentoxide Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers High-Purity Vanadium Pentoxide Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers High-Purity Vanadium Pentoxide Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers High-Purity Vanadium Pentoxide Production (2021-2026) & (K MT)

Table 36. United States Based Manufacturers High-Purity Vanadium Pentoxide Production Market Share (2021-2026)

Table 37. China Based High-Purity Vanadium Pentoxide Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers High-Purity Vanadium Pentoxide Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers High-Purity Vanadium Pentoxide Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers High-Purity Vanadium Pentoxide Production, (2021-2026) & (K MT)

Table 41. China Based Manufacturers High-Purity Vanadium Pentoxide Production Market Share (2021-2026)

Table 42. Rest of World Based High-Purity Vanadium Pentoxide Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers High-Purity Vanadium Pentoxide Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers High-Purity Vanadium Pentoxide Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers High-Purity Vanadium Pentoxide Production, (2021-2026) & (K MT)

Table 46. Rest of World Based Manufacturers High-Purity Vanadium Pentoxide Production Market Share (2021-2026)

Table 47. World High-Purity Vanadium Pentoxide Production Value by Purity, (USD Million), 2021 & 2025 & 2032

Table 48. World High-Purity Vanadium Pentoxide Production by Purity (2021-2026) & (K MT)

Table 49. World High-Purity Vanadium Pentoxide Production by Purity (2027-2032) & (K MT)

Table 50. World High-Purity Vanadium Pentoxide Production Value by Purity (2021-2026) & (USD Million)

Table 51. World High-Purity Vanadium Pentoxide Production Value by Purity (2027-2032) & (USD Million)

Table 52. World High-Purity Vanadium Pentoxide Average Price by Purity (2021-2026) & (USD/MT)

Table 53. World High-Purity Vanadium Pentoxide Average Price by Purity (2027-2032) & (USD/MT)

Table 54. World High-Purity Vanadium Pentoxide Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 55. World High-Purity Vanadium Pentoxide Production by Application (2021-2026) & (K MT)

Table 56. World High-Purity Vanadium Pentoxide Production by Application (2027-2032) & (K MT)

Table 57. World High-Purity Vanadium Pentoxide Production Value by Application (2021-2026) & (USD Million)

Table 58. World High-Purity Vanadium Pentoxide Production Value by Application (2027-2032) & (USD Million)

Table 59. World High-Purity Vanadium Pentoxide Average Price by Application (2021-2026) & (USD/MT)

Table 60. World High-Purity Vanadium Pentoxide Average Price by Application

(2027-2032) & (USD/MT)

Table 61. U.S. Vanadium LLC Basic Information, Manufacturing Base and Competitors

Table 62. U.S. Vanadium LLC Major Business

Table 63. U.S. Vanadium LLC High-Purity Vanadium Pentoxide Product and Services

Table 64. U.S. Vanadium LLC High-Purity Vanadium Pentoxide Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 65. U.S. Vanadium LLC Recent Developments/Updates

Table 66. U.S. Vanadium LLC Competitive Strengths & Weaknesses

Table 67. GfE Basic Information, Manufacturing Base and Competitors

Table 68. GfE Major Business

Table 69. GfE High-Purity Vanadium Pentoxide Product and Services

Table 70. GfE High-Purity Vanadium Pentoxide Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 71. GfE Recent Developments/Updates

Table 72. GfE Competitive Strengths & Weaknesses

Table 73. HBIS Group Basic Information, Manufacturing Base and Competitors

Table 74. HBIS Group Major Business

Table 75. HBIS Group High-Purity Vanadium Pentoxide Product and Services

Table 76. HBIS Group High-Purity Vanadium Pentoxide Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 77. HBIS Group Recent Developments/Updates

Table 78. HBIS Group Competitive Strengths & Weaknesses

Table 79. Suzhou Donghua Fangui Co.Ltd. Basic Information, Manufacturing Base and Competitors

Table 80. Suzhou Donghua Fangui Co.Ltd. Major Business

Table 81. Suzhou Donghua Fangui Co.Ltd. High-Purity Vanadium Pentoxide Product and Services

Table 82. Suzhou Donghua Fangui Co.Ltd. High-Purity Vanadium Pentoxide Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 83. Suzhou Donghua Fangui Co.Ltd. Recent Developments/Updates

Table 84. Suzhou Donghua Fangui Co.Ltd. Competitive Strengths & Weaknesses

Table 85. Liaoyang Hengye Chemical Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 86. Liaoyang Hengye Chemical Co., Ltd. Major Business

Table 87. Liaoyang Hengye Chemical Co., Ltd. High-Purity Vanadium Pentoxide Product and Services

Table 88. Liaoyang Hengye Chemical Co., Ltd. High-Purity Vanadium Pentoxide Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 89. Liaoyang Hengye Chemical Co., Ltd. Recent Developments/Updates

Table 90. Liaoyang Hengye Chemical Co., Ltd. Competitive Strengths & Weaknesses

Table 91. Hunan Huifeng High Energy Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 92. Hunan Huifeng High Energy Co., Ltd Major Business

Table 93. Hunan Huifeng High Energy Co., Ltd High-Purity Vanadium Pentoxide Product and Services

Table 94. Hunan Huifeng High Energy Co., Ltd High-Purity Vanadium Pentoxide Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 95. Hunan Huifeng High Energy Co., Ltd Recent Developments/Updates

Table 96. Hunan Huifeng High Energy Co., Ltd Competitive Strengths & Weaknesses

Table 97. Hunan Sanfeng Vanadium Industry Co., Ltd Basic Information, Manufacturing Base and Competitors

Table 98. Hunan Sanfeng Vanadium Industry Co., Ltd Major Business

Table 99. Hunan Sanfeng Vanadium Industry Co., Ltd High-Purity Vanadium Pentoxide Product and Services

Table 100. Hunan Sanfeng Vanadium Industry Co., Ltd High-Purity Vanadium Pentoxide Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 101. Hunan Sanfeng Vanadium Industry Co., Ltd Recent Developments/Updates

Table 102. Hunan Sanfeng Vanadium Industry Co., Ltd Competitive Strengths & Weaknesses

Table 103. BaiChuan Vanadium Industry Basic Information, Manufacturing Base and Competitors

Table 104. BaiChuan Vanadium Industry Major Business

Table 105. BaiChuan Vanadium Industry High-Purity Vanadium Pentoxide Product and Services

Table 106. BaiChuan Vanadium Industry High-Purity Vanadium Pentoxide Production (K MT), Price (USD/MT), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 107. BaiChuan Vanadium Industry Recent Developments/Updates

Table 108. BaiChuan Vanadium Industry Competitive Strengths & Weaknesses

Table 109. Global Key Players of High-Purity Vanadium Pentoxide Upstream (Raw Materials)

Table 110. Global High-Purity Vanadium Pentoxide Typical Customers

## Table 111. High-Purity Vanadium Pentoxide Typical Distributors

## List Of Figures

### LIST OF FIGURES

- Figure 1. High-Purity Vanadium Pentoxide Picture
- Figure 2. World High-Purity Vanadium Pentoxide Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World High-Purity Vanadium Pentoxide Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World High-Purity Vanadium Pentoxide Production (2021-2032) & (K MT)
- Figure 5. World High-Purity Vanadium Pentoxide Average Price (2021-2032) & (USD/MT)
- Figure 6. World High-Purity Vanadium Pentoxide Production Value Market Share by Region (2021-2032)
- Figure 7. World High-Purity Vanadium Pentoxide Production Market Share by Region (2021-2032)
- Figure 8. North America High-Purity Vanadium Pentoxide Production (2021-2032) & (K MT)
- Figure 9. Europe High-Purity Vanadium Pentoxide Production (2021-2032) & (K MT)
- Figure 10. China High-Purity Vanadium Pentoxide Production (2021-2032) & (K MT)
- Figure 11. Japan High-Purity Vanadium Pentoxide Production (2021-2032) & (K MT)
- Figure 12. High-Purity Vanadium Pentoxide Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World High-Purity Vanadium Pentoxide Consumption (2021-2032) & (K MT)
- Figure 15. World High-Purity Vanadium Pentoxide Consumption Market Share by Region (2021-2032)
- Figure 16. United States High-Purity Vanadium Pentoxide Consumption (2021-2032) & (K MT)
- Figure 17. China High-Purity Vanadium Pentoxide Consumption (2021-2032) & (K MT)
- Figure 18. Europe High-Purity Vanadium Pentoxide Consumption (2021-2032) & (K MT)
- Figure 19. Japan High-Purity Vanadium Pentoxide Consumption (2021-2032) & (K MT)
- Figure 20. South Korea High-Purity Vanadium Pentoxide Consumption (2021-2032) & (K MT)
- Figure 21. ASEAN High-Purity Vanadium Pentoxide Consumption (2021-2032) & (K MT)
- Figure 22. India High-Purity Vanadium Pentoxide Consumption (2021-2032) & (K MT)
- Figure 23. Producer Shipments of High-Purity Vanadium Pentoxide by Manufacturer Revenue (\$MM) and Market Share (%): 2025
- Figure 24. Global Four-firm Concentration Ratios (CR4) for High-Purity Vanadium

Pentoxide Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for High-Purity Vanadium Pentoxide Markets in 2025

Figure 26. United States VS China: High-Purity Vanadium Pentoxide Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: High-Purity Vanadium Pentoxide Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: High-Purity Vanadium Pentoxide Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers High-Purity Vanadium Pentoxide Production Market Share 2025

Figure 30. China Based Manufacturers High-Purity Vanadium Pentoxide Production Market Share 2025

Figure 31. Rest of World Based Manufacturers High-Purity Vanadium Pentoxide Production Market Share 2025

Figure 32. World High-Purity Vanadium Pentoxide Production Value by Purity, (USD Million), 2021 & 2025 & 2032

Figure 33. World High-Purity Vanadium Pentoxide Production Value Market Share by Purity in 2025

Figure 34. Min.99.5% V<sub>2</sub>O<sub>5</sub>

Figure 35. Min.99% V<sub>2</sub>O<sub>5</sub>

Figure 36. Min.99.9% V<sub>2</sub>O<sub>5</sub>

Figure 37. World High-Purity Vanadium Pentoxide Production Market Share by Purity (2021-2032)

Figure 38. World High-Purity Vanadium Pentoxide Production Value Market Share by Purity (2021-2032)

Figure 39. World High-Purity Vanadium Pentoxide Average Price by Purity (2021-2032) & (USD/MT)

Figure 40. World High-Purity Vanadium Pentoxide Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 41. World High-Purity Vanadium Pentoxide Production Value Market Share by Application in 2025

Figure 42. Metallurgy/Steelmaking

Figure 43. Chemical Catalyst

Figure 44. Vanadium Cell/VRB

Figure 45. Others

Figure 46. World High-Purity Vanadium Pentoxide Production Market Share by Application (2021-2032)

Figure 47. World High-Purity Vanadium Pentoxide Production Value Market Share by

Application (2021-2032)

Figure 48. World High-Purity Vanadium Pentoxide Average Price by Application (2021-2032) & (USD/MT)

Figure 49. High-Purity Vanadium Pentoxide Industry Chain

Figure 50. High-Purity Vanadium Pentoxide Procurement Model

Figure 51. High-Purity Vanadium Pentoxide Sales Model

Figure 52. High-Purity Vanadium Pentoxide Sales Channels, Direct Sales, and Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source

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