

Global High Pure Gallium Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global High Pure Gallium market size was valued at US\$ 114 million in 2024 and is forecast to a readjusted size of USD 184 million by 2031 with a CAGR of 7.1% during review period.

Gallium is a light blue metal that turns into a silvery white liquid at 29.76°C. It is mainly associated with bauxite or sphalerite. With the advancement of metal purification technology, the purity of high-purity metals used in various high-end fields has gradually transitioned from 4N to 5N and 6N, and some application fields have even reached 7N (such as electronic semiconductors). Its purity determines the performance of the application process. The higher the purity, the fewer impurities, and the higher the performance of the material. Industrial gallium is mainly recovered and extracted from zinc smelting waste residue and aluminum smelting waste residue. Using industrial-grade metal gallium as raw material, it is further purified by electrolysis, vacuum distillation, fractional crystallization, and zone melting to produce high-purity gallium. High-purity gallium is currently mainly used in the preparation of compound semiconductor materials such as GaN, GaAs, GaP, and GaSb, the doping of semiconductor materials such as silicon and germanium, and the production of alloy materials such as gallium-magnesium alloys. With the large-scale application of GaN third-generation semiconductors, the quality of semiconductor materials such as GaAs, silicon, and germanium has improved. As an important component, high-purity gallium has put forward higher requirements for its key performance indicators.

Global key players of High Pure Gallium include DOWA Electronics, Vital Materials, Zhuzhou Keneng New Material, Beijing Tongmei Xtal Technology, East Hope, etc. The top five players hold a share over 78%. Asia-Pacific is the largest market, and has a

share about 79%, followed by Europe and North America with share 12% and 9%, separately. In terms of product type, 7N is the largest segment, occupied for a share of 61%. In terms of application, Semiconductor has a share about 70 percent.

This report is a detailed and comprehensive analysis for global High Pure Gallium 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 High Pure Gallium market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2020-2031

Global High Pure Gallium market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2020-2031

Global High Pure Gallium market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2020-2031

Global High Pure Gallium market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 2020-2025

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 High Pure Gallium
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global High Pure Gallium 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 DOWA Electronics, Vital Materials, Zhuzhou

Keneng New Material, Beijing Tongmei Xtal Technology, East Hope, 5N Plus, RASA Industries, Wuhan Xinrong New Materials, Neo Performance Materials, Zhuhai Fangyuan, etc.

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

Market Segmentation

High Pure Gallium market is split by Type and by Application. For the period 2020-2031, 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

6N

7N

8N

Market segment by Application

Semiconductor

Optoelectronic Devices

Solar Cell

Others

Major players covered

DOWA Electronics

Vital Materials

Zhuzhou Keneng New Material

Beijing Tongmei Xtal Technology

East Hope

5N Plus

RASA Industries

Wuhan Xinrong New Materials

Neo Performance Materials

Zhuhai Fangyuan

Changsha Santech Materials

Indium Corporation

Yamanaka Advanced Materials

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 High Pure Gallium product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High Pure Gallium, with price, sales quantity, revenue, and global market share of High Pure Gallium from 2020 to 2025.

Chapter 3, the High Pure Gallium competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the High Pure Gallium breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and High Pure Gallium market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 High Pure Gallium.

Chapter 14 and 15, to describe High Pure Gallium sales channel, distributors, customers, research findings and conclusion.

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