

Plasma Powder Market Outlook 2025-2034: Market Share, and Growth Analysis By Source (Bovine, Porcine, Ovine, Other Sources), By Form (Dry, Wet), By Sales Channel, By Application

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Abstracts

The Plasma Powder Market is valued at USD 4.1 billion in 2025 and is projected to grow at a CAGR of 6.2% to reach USD 7 billion by 2034.

Plasma Powder Market Overview

The plasma powder market is experiencing steady growth as demand rises for high-quality, protein-rich ingredients in animal feed, pet food, and aquaculture nutrition. Plasma powder, derived from the spray-dried blood plasma of livestock, is recognized for its superior digestibility, immune-boosting properties, and ability to enhance feed efficiency. It is widely used as a functional protein source in swine, poultry, aquaculture, and pet food formulations, promoting animal growth and gut health. The market is benefiting from the shift toward natural feed additives as regulations limit the use of antibiotics in animal diets. Additionally, plasma powder is increasingly favored due to its ability to improve feed palatability and nutrient absorption, ensuring better livestock performance and productivity. As sustainability gains traction in the feed industry, manufacturers are focusing on optimizing plasma powder production to minimize environmental impact while maintaining high nutritional standards. The plasma powder market witnessed significant advancements, particularly in refining processing techniques to enhance product consistency and bioavailability. Increased regulatory clarity regarding plasma-derived ingredients in animal nutrition supported wider adoption, particularly in the European and North American markets. The aquaculture sector showed rising demand for plasma powder as fish and shrimp farmers sought alternatives to traditional protein sources like fishmeal. Meanwhile, pet food

manufacturers expanded their use of plasma powder to create premium, high-protein formulations catering to growing consumer demand for functional nutrition in companion animals. Sustainability initiatives also gained traction, with companies adopting eco-friendly sourcing and processing techniques to reduce waste and improve the environmental footprint of plasma-derived feed ingredients. Strategic mergers and acquisitions among key market players further strengthened global supply chains, ensuring stable plasma powder production and distribution. The plasma powder market is poised for sustained growth as research into bioactive proteins enhances the nutritional benefits of plasma-based feed. Emerging markets in Asia and Latin America are expected to drive expansion, fueled by rising livestock and aquaculture production. Advances in feed formulation technology will improve the functional properties of plasma powder, making it an even more attractive alternative to conventional protein sources. Additionally, the industry will witness increased efforts in precision nutrition, where plasma powder will be tailored to specific animal health and performance needs. Sustainability will remain a key focus, with manufacturers investing in circular economy models to optimize plasma utilization and minimize waste. As regulatory frameworks continue to evolve, streamlined approval processes will further boost the adoption of plasma powder across different regions, making it a staple in modern animal nutrition.

Key Insights Plasma Powder Market

Expansion in Aquaculture Applications: Plasma powder is gaining popularity as a sustainable and digestible protein source for fish and shrimp farming, reducing dependence on fishmeal.

Growing Demand in Pet Nutrition: Pet food manufacturers are incorporating plasma powder into premium formulations to enhance immune function, digestion, and overall health in pets.

Regulatory Developments Supporting Adoption: Governments and food safety authorities are establishing clearer guidelines for the use of plasma-derived ingredients in animal feed, improving market acceptance.

Advancements in Feed Processing Technologies: Innovations in spray-drying and plasma fractionation are enhancing product consistency, digestibility, and bioavailability for various feed applications.

Focus on Sustainable Sourcing and Production: Companies are adopting environmentally responsible plasma collection and processing methods to

reduce waste and improve resource efficiency.

Rising Demand for High-Performance Animal Feed: The need for efficient, nutrient-dense feed solutions is driving the adoption of plasma powder in livestock and aquaculture nutrition.

Ban on Antibiotic Growth Promoters: Regulatory restrictions on antibiotic use in animal feed are fueling interest in natural alternatives like plasma powder for immune support and growth enhancement.

Increasing Focus on Functional Nutrition: The feed industry is prioritizing functional ingredients that offer health benefits beyond basic nutrition, positioning plasma powder as a valuable protein source.

Growing Meat and Seafood Production: The expansion of global meat and seafood industries is increasing the demand for high-quality feed ingredients that enhance productivity and animal health.

Consumer Perception and Regulatory Constraints: Concerns over the use of animal-derived ingredients in feed, coupled with varying regulatory approvals across regions, pose challenges to broader plasma powder adoption.

Plasma Powder Market Segmentation

By Source

Bovine

Porcine

Ovine

Other Sources

By Form

Dry

Wet

By Sales Channel

Online

Offline

By Application

Pet Food

Pig Feed

Poultry Feed

Aqua Feed

Ruminant Feed

Human Food

Other Applications

Key Companies Analysed

Takeda

Merck KGaA

CSL Behring

Darling Ingredients

Grifols

Octapharma

Kemin Industries

Kedrion

Valley Proteins Inc.

Proliant Biologicals

Lican Food

IQI Petfood

Veos Group

Uruguayan Animal Proteins

Haripro SpA

Lihme Protein Solutions

Proliant Biologicals

Saria SE & Co. KG

Acontex GmbH

APC Inc.

British Aqua Feeds

Feed Stimulants

Otto Chemie Pvt Ltd

Shenzhen Taier Biotechnology Co. Ltd

Animix LLC

Kraeber & Co GmbH

Rocky Mountain Biologicals.

Plasma Powder Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Plasma Powder Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Plasma Powder market data and outlook to 2034

United States

Canada

Mexico

Europe — Plasma Powder market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Plasma Powder market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Plasma Powder market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Plasma Powder market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Plasma Powder value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Plasma Powder industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth

potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Plasma Powder Market Report

Global Plasma Powder market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Plasma Powder trade, costs, and supply chains

Plasma Powder market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Plasma Powder market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Plasma Powder market trends, drivers, restraints, and opportunities

Porter’s Five Forces analysis, technological developments, and Plasma Powder supply chain analysis

Plasma Powder trade analysis, Plasma Powder market price analysis, and Plasma Powder supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Plasma Powder market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

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