

Food Grade Iron Powder Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 – 2032

<https://marketpublishers.com/r/F706AF3A2A69EN.html>

Date: October 2024

Pages: 200

Price: US\$ 4,850.00 (Single User License)

ID: F706AF3A2A69EN

Abstracts

The Global Food Grade Iron Powder Market reached USD 5.7 billion in 2023 and is anticipated to grow at a CAGR of 5.9% from 2024 to 2032. This growth is driven by increasing awareness of nutritional deficiencies and the essential role of food fortification in combating iron deficiency. Iron deficiency, particularly prevalent in developing regions, has spurred substantial demand for iron-fortified foods. Government mandates for iron fortification, aimed at addressing iron-deficiency anemia, are further fueling this demand. Recent advancements in technology have enabled the production of high-purity, bioavailable iron powders, improving their effectiveness in food fortification efforts.

Additionally, manufacturers are adopting sustainable practices in producing iron powders to align with the global push towards eco-friendly manufacturing. Notably, sustainable production practices within the iron powder industry have seen significant growth, as observed by international organizations monitoring industrial development. The elemental iron powder segment, valued at USD 2.9 billion in 2023, is set to experience a growth rate of 6.6% CAGR from 2024 to 2032. Known for its high bioavailability, elemental iron powder is favored in food fortification, particularly for addressing iron-deficiency anemia. This segment continues to grow, propelled by government initiatives for mandatory food fortification in regions with high anemia rates, particularly in Asia-Pacific and Latin America.

With rising consumer awareness regarding iron deficiency, there is an expanding demand for elemental iron powder in dietary supplements. Food fortification remains the dominant application in the food-grade iron powder market, valued at USD 2.2 billion in 2023 with a projected CAGR of 6.5% from 2024 to 2032. As global efforts intensify to

combat malnutrition and iron-deficiency anemia, especially in developing countries, iron powder fortification in staple foods like rice, flour, and cereals has become widespread. Governments and public health campaigns, backed by international organizations, promote fortified food products in areas facing high anemia rates, which is expected to sustain market momentum. In the United States, the food-grade iron powder market was estimated at USD 1.1 billion in 2023, with a projected CAGR of 5.9% through 2032. The demand is primarily driven by the nation's focus on food fortification and dietary supplements to counter iron-deficiency anemia.

With strict guidelines on iron fortification issued by the U.S. Food and Drug Administration (FDA), manufacturers increasingly turn to highly bioavailable forms, like elemental iron, to meet regulatory standards. This regulatory support, combined with the push to reduce anemia rates, strengthens the market demand for food-grade iron powder in the U.S

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