

Feed Testing Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Test Type (Pathogen Testing, Fats and Oil Analysis, Feed Ingredient Analysis, Metal and Mineral Analysis, Pesticides and Fertilizers, Drugs and Antibiotics, Mycotoxin Testing, Nutritional Labelling and Proximate Analysis), By Type (Pet Food, Equine Feeds, Fish Feeds, Poultry Feed, Dairy Feed, Forages, Premixes and Medicated Feed), By Region and Competition, 2020-2030F

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Abstracts

Market Overview

Global Feed Testing Market was valued at USD 5.08 billion in 2024 and is expected to reach USD 6.77 billion in the forecast period with a CAGR of 4.87% through 2030. The growth of the global feed testing market is driven by increasing awareness regarding animal health and food safety regulations. Governments and regulatory bodies across the globe are enforcing strict standards to monitor the quality of animal feed, minimizing the risk of contamination in the food chain. These regulations are encouraging livestock producers to adopt comprehensive feed testing solutions, further propelling market growth. Additionally, the rising demand for meat and dairy products is increasing the need for safe and nutritious animal feed, thus boosting the demand for reliable feed testing methods.

Technological advancements in feed testing techniques are playing a vital role in

shaping the market landscape. Innovations such as rapid test kits, PCR-based assays, and chromatography technologies have significantly enhanced the accuracy, speed, and efficiency of detecting contaminants, pathogens, and nutrient levels in feed. These advancements are not only reducing the turnaround time for results but are also ensuring compliance with global feed safety norms. Moreover, increased R&D investments by key players are expected to introduce more cost-effective and user-friendly testing solutions, thereby expanding the market footprint.

Key Market Drivers

Increasing Awareness Pertaining to Food Safety

Increasing awareness about food safety is being fueled by the growing number of foodborne illness cases globally. Recent data reveals that nearly 1 in 10 people fall ill each year due to consuming contaminated food, accounting for around 600 million cases annually and approximately 420,000 deaths. These figures have raised serious public health concerns and pushed food safety to the forefront of consumer consciousness. The heightened sensitivity is compelling stakeholders across the food supply chain, including livestock and feed producers, to implement rigorous testing practices to minimize health risks and ensure compliance with global safety standards.

Public health campaigns and regulatory efforts are playing a pivotal role in reinforcing food safety awareness. For instance, the Food Safety and Standards Authority of India (FSSAI) aims to train 2.5 million food handlers by March 2026, emphasizing hygiene and food handling protocols across the supply chain. Events like World Food Safety Day, which spotlight that 1.6 million people fall ill daily due to unsafe food, have further amplified the conversation globally. These initiatives are not only increasing awareness among consumers but also pressuring industries to adopt preventive testing to protect brand reputation and public health.

Consumers are becoming increasingly selective about the brands they trust, with over 70% indicating they prefer companies that prioritize food safety and transparency. This consumer shift has created a ripple effect across the livestock and feed industries, encouraging companies to openly communicate safety protocols and maintain rigorous testing. Whether it's disclosing feed ingredients, adopting third-party certifications, or promoting traceability, brands are leveraging food safety as a competitive advantage. As consumers become more educated, their expectations are pushing producers to adhere to higher safety and quality standards.

Technological innovations are aligning with these growing expectations. Advanced testing methods such as rapid microbial detection, PCR assays, and residue analysis tools are being adopted to provide quick and reliable results. Additionally, technologies like blockchain and QR-code-enabled traceability are enabling end-users to track food origin and quality instantly. These innovations are streamlining feed testing processes, ensuring regulatory compliance, and building trust among stakeholders. As food safety awareness deepens, the integration of such technologies becomes essential for businesses seeking to stay relevant and responsible in an increasingly safety-conscious market.

Key Market Challenges

Lack of Standardized Testing Protocols

A major challenge restraining the growth of the feed testing market is the lack of standardized testing protocols across countries and regions. Different nations follow varying guidelines for feed safety, quality control, and contaminant detection—leading to inconsistencies in testing scope, methodology, and reporting. For instance, while regions like the European Union and North America enforce strict testing regulations aligned with Codex Alimentarius standards, many developing countries operate under outdated or loosely enforced protocols. This disparity hampers the comparability of test results across borders, complicating international trade. Exporters often face challenges in meeting the destination country's safety requirements, necessitating additional testing or documentation, which increases both time and cost. The absence of harmonized standards also creates confusion among producers and lab operators, often resulting in inadequate or misaligned testing procedures that may compromise feed safety and fail to identify critical hazards in time.

Moreover, the lack of uniformity in sampling procedures, testing parameters, permissible limits, and quality control benchmarks leads to operational inefficiencies and credibility issues. Feed testing labs in different regions may report different results for the same feed sample, making it difficult to draw definitive conclusions or ensure compliance with safety norms. This inconsistency can erode trust among stakeholders—be it livestock farmers, feed manufacturers, or regulatory bodies—and increases the risk of foodborne pathogens or toxins entering the animal feed chain. In regions where enforcement is weak, producers may neglect comprehensive testing altogether, relying on minimal internal checks. A globally harmonized framework—covering test methods, contamination thresholds, and reporting formats—is essential to strengthen feed safety and support fair, transparent trade in the animal

nutrition sector.

Key Market Trends

Integration of Advanced Testing Technologies & Digitalization

The integration of advanced testing technologies and digitalization, while transformative, presents notable challenges for the feed testing market. A primary concern is the high initial cost and complexity of adopting sophisticated systems such as PCR machines, liquid chromatography, and AI-based analytics tools. Smaller laboratories and feed producers, especially in emerging markets, often lack the financial resources and infrastructure to invest in such advanced technologies. Moreover, the transition to digital platforms like Laboratory Information Management Systems (LIMS) requires not only capital investment but also long-term maintenance and cybersecurity measures. Many facilities struggle with data integration and compatibility issues, particularly when existing equipment is outdated or incompatible with newer digital tools. These barriers can create technological disparities within the industry, resulting in uneven testing quality and delayed adoption of global best practices across the feed supply chain.

Key Market Players

SGS SA

RJ Hill Laboratories Ltd.

Eurofins Scientific SE

Intertek Group PLC

Romer Labs Diagnostic GmbH

NSF International Holdings

Invisible Sentinel Inc.

Anika Therapeutics, Inc.

Adpen Laboratories Inc.

Genetic ID NA Inc.

Report Scope:

In this report, the Global Feed Testing market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Feed Testing Market, By Test Type:

- Pathogen Testing
- Fats and Oil Analysis
- Feed Ingredient Analysis
- Metal and Mineral Analysis
- Pesticides and Fertilizers
- Drugs and Antibiotics
- Mycotoxin Testing
- Nutritional Labelling
- Proximate Analysis

Feed Testing Market, By Type:

- Pet Food
- Equine Feeds
- Fish Feeds
- Poultry Feed
- Dairy Feed

Forages

Premixes

Medicated Feed

Feed Testing Market, By Region:

North America

United States

Canada

Mexico

Europe

France

Germany

United Kingdom

Italy

Spain

Asia Pacific

China

India

Japan

South Korea

Australia

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Feed Testing Market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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