

# Food Safety Testing Market was valued at \$22.5 billion in 2023 and to grow at a CAGR of 7% by 2033

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Allied Market Research published a report, titled, "[Food Safety Testing Market](#) by Type (Pathogen and Genetically Modified Organism (GMO), Chemical And Toxin, Heavy Metals, Radioactivity, Others), Technology (Agar Culturing, PCR-based Assay, Immunoassay-based, Scintillation Counters And Geiger Counters, AAS And ICP-MS/OES and Others), Food

Tested (Meat And Meat Product, Seafood, Dairy And Dairy Product, Cereals, Grains, And Pulses, Processed Food and Others): Global Opportunity Analysis and Industry Forecast, 2024-2033". According to the report, the food safety testing market was valued at \$22.5 billion in 2023, and is estimated to reach \$44.1 billion by 2033, growing at a CAGR of 7% from 2024 to 2033.



The prime determinants of growth for the food safety testing market include stringent regulatory frameworks, technological advancements, increasing consumer awareness, and the globalization of the food supply chain. Regulatory bodies such as the FDA and USDA enforce strict food safety standards, necessitating regular and thorough testing to prevent contamination and ensure public health. Technological innovations, such as PCR and next-generation sequencing, offer faster and more accurate detection methods, driving market expansion. Moreover, rising consumer awareness about foodborne illnesses and the demand for transparency in food production also fuel market growth. Consumers are increasingly aware about food safety, prompting food producers to adopt advanced testing practices to meet these expectations. In addition, the globalization of the food supply chain has increased the complexity of ensuring food safety, further strengthening the need for comprehensive testing solutions.

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By type, the pathogen segment experiences a high demand in the food safety testing market owing to the increasing incidence of foodborne illnesses caused by bacteria like Salmonella, E.

coli, and Listeria. These pathogens pose significant health risks, leading to severe illnesses and even fatalities. Regulatory agencies like the FDA and USDA mandate stringent testing to ensure food safety, driving demand for pathogen detection. Additionally, rising consumer awareness and the globalization of food supply chains further highlight the need for tough pathogen testing to prevent outbreaks and ensure public health

By technology, the PCR-based assay segment is witnessing a high demand owing to real-time polymerase chain reaction. Moreover, polymerase chain reaction is a quick and inexpensive quantitative method for determining the quantity of certain DNA-segments present in samples, which aids in detecting both purposeful and incidental food adulterations caused by biological contaminants. In addition, polymerase chain reaction technology is used extensively throughout the product development process in the agricultural biotechnology sector. The technique is typically used to identify whether a product sample contains genetically modified material as well as to calculate how much of it is contained in a product.

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By food tested, the processed segment experiences a high demand as many chemicals are routinely added to processed foods to extend their shelf life and improve flavor & scent. However, the major food producers often include food additives that are bad for health and prohibited by the FDA to improve the food product. Food additives are added to food to enhance flavor, color, and shelf life. In addition, food additives are used in [food processing](#) to alter the taste, consistency, and packaging of the meal. To manufacture processed food in the right form, numerous chemicals are added to it. The frequent consumption of these substances adversely affects the health of a person.

## Regional Outlook

North America holds the major market share owing to the high prevalence of sleep disorders, such as insomnia and sleep apnea, and increased awareness about the importance of sleep health. The region benefits from significant healthcare expenditure, a strong presence of key market players, and a growing consumer inclination towards health and wellness products. In addition, the aging population and rising stress levels further drive the demand for food safety testing. The market is expected to continue growing, with ongoing innovations and the expansion of e-commerce platforms enhancing accessibility and convenience for consumers.

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## Key Players

Eurofins Scientific  
AsureQuality Ltd

Bureau Veritas SA  
DNV AS  
TUV SUD AG  
Bio-Rad Laboratories  
Thermo Fisher Scientific, Inc.  
ALS Limited  
SGS SA  
Intertek Group plc

The report provides a detailed analysis of these key players in the global food safety testing market. These players have adopted different strategies such as new product launches, collaborations, expansion, joint ventures, and agreements to increase their market share in different regions. The report is valuable in highlighting business performance, operating segments, product portfolio, and strategic moves of market players to showcase the competitive scenario.

#### Recent Development:

On August 09, 2023 - ALS Limited strengthened its position as a market leader in food testing services with the acquisition of Proanaliz.

On September 20, 2023 – Natrol launched its first-ever sleep aid supplement without melatonin, Soothing Night, made with effective, clinically-tested ingredients designed to reduce occasional stress and anxiety and promote longer, better sleep.

On January 27, 2023 - Eurofins Scientific acquired Linlithgow-based Express Micro Science, one of Scotland's leading analytical testing businesses with expertise across water, chemistry, agriculture, and food microbiology.

On September 22, 2022 - TÜV SÜD South Asia, a certification, testing, auditing, inspection and training company and the wholly owned subsidiary of TÜV SÜD Group, Germany inaugurated its enhanced, ultra-modern seafood, spices and commodity testing lab in Visakhapatnam, Andhra Pradesh.

#### Trending Reports in Food and Beverages Industry:

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South Africa Forensic Testing Market: <https://www.alliedmarketresearch.com/south-africa-forensic-testing-market-A325794>

South Africa Food Safety Testing Market: <https://www.alliedmarketresearch.com/south-africa-food-safety-testing-market>

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