Residue Testing Market - Global Forecast to 2021

Description: "Residue Testing Market by Type (Pesticides, Toxins, Heavy Metals, Allergens), Technology (Chromatography, Spectroscopy, Immunoassay), Food Tested (Meat & Poultry, Dairy Products, Processed Food, Fruits & Vegetables, Cereals) - Global Forecast to 2021"

The residue testing market is projected to reach USD 4.41 billion by 2021 at a CAGR of 6.4% from 2016. The market is driven by factors such as increase in outbreaks of chemical contamination in food processing industries, growth in allergic reactions among consumers, and implementation of stringent food safety regulations. The high growth potential in emerging markets and untapped regions provides new opportunities for market players.

The pesticide residues segment accounted for the largest market share and is projected to grow at the highest CAGR during the forecast period, due to rise in health concerns and implementation of stringent food safety regulations. The increase in food trade and contamination of food with pesticides, especially in imported food products, has attracted the attention towards pesticide residue testing. It is followed by toxins, which is projected to remain the second-largest market by 2021.

Chromatography technology accounted for the largest share of the residue testing market in 2015. The importance of this technology is increasing due to its quick, accurate, and easy-to-use characteristics. The vital benefits of these methods for the detection of contaminants include speed, simplicity of operation, efficient analysis, and minimal labor for sample preparation. The stakeholders demand new emerging technologies for analytical testing and ensure certification denoting high quality of their products. This has been driving the market for chromatography in residue testing.

Europe was the largest residue testing market in 2015. Governing organizations present in the market have enforced various residue testing policies. The Asia-Pacific market is projected to be the fastest-growing market in the forecasted period.

The breakdown of the primaries on the basis of company, designation, and region, conducted during the research study, is as follows:

- By Company type: Tier 1 - 35%, Tier 2 - 45%, and Tier 3 - 20%
- By Designation: C Level - 35%, Director Level - 25%, and Others - 40%
- By Region: North America - 45%, Europe - 30%, Asia-Pacific - 20%, and RoW - 05%

Key players include:

- Eurofins Scientific (Luxembourg)
- Intertek Group plc (U.K.)
- SGS S.A. (Switzerland)
- Bureau Veritas S.A. (France)
- Silliker Inc. (U.S.)

The above-mentioned companies have collectively accounted for the largest portion of the residue testing market in 2015. Other players also have a strong presence in this market.

These players are as follows:

- ALS limited (Australia)
- Asurequality Limited (New Zealand)
- SCS global services (U.S.)
- Microbac Laboratories (U.K.), and
- Symbio Alliance (Australia)

Objectives of the Study:

- To define, segment, and project the size of the residue testing market with respect to type, food tested,
technology, and region
- To analyze the market structure by identifying various subsegments of the global residue testing market
- To provide detailed information about crucial factors that are influencing the growth of the market (drivers, restraints, opportunities, and challenges)
- To strategically analyze micromarkets with respect to individual growth trends, future prospects, and their contribution to the total market
- To analyze opportunities in the market for stakeholders and details of the competitive landscape for market leaders
- To forecast the size of the global residue testing market and its various submarkets with respect to four main regions, namely, North America, Asia-Pacific, Europe, and Rest of the World (RoW)
- To project the market size, in terms of value (USD million) of the segments, which include type, food tested, and technology,
- To strategically profile key players and comprehensively analyze their market shares and core competencies
- To track and analyze competitive developments such as new service launches, acquisitions, expansions & investments, partnerships, collaborations and accreditations in the residue testing market

Target Audience

The stakeholders for the report are as follows:
- Residue testing service providers
- Residue testing laboratories
- Food processors
- Food manufacturers
- Government and research organizations
- Trade associations and industry bodies

Contents:
1 Introduction
1.1 Objectives of the Study
1.2 Market Definition
1.3 Market Scope
1.3.1 Markets Covered
1.3.2 Geographic Scope
1.3.3 Periodization Considered for the Study
1.4 Currency
1.5 Stakeholders
1.6 Limitations

2 Research Methodology
2.1 Research Data
2.1.1 Secondary Data
2.1.1.1 Key Data From Secondary Sources
2.1.2 Primary Data
2.1.2.1 Key Data From Primary Sources
2.1.2.2 Breakdown of Primaries
2.1.2.3 Key Industry Insights
2.2 Market Size Estimation
2.3 Market Breakdown & Data Triangulation
2.4 Research Assumptions

3 Executive Summary

4 Premium Insights
4.1 Opportunities in the Residue Testing Market
4.2 Residue Testing Market: Major Countries
4.3 Residue Testing Market, By Type, 2016 vs 2021
4.4 Developed vs Emerging Residue Testing Markets, 2016 vs 2021
4.5 Residue Testing Technology Market Size, By Region
4.6 Residue Testing Type Market, By Region

5 Market Overview
5.1 Introduction
5.2 Market Segmentation
5.2.1 By Type
5.2.1.1 Pesticides
5.2.1.2 Toxins
5.2.1.3 Heavy Metals
5.2.1.4 Food Allergens
5.2.2 By Technology
5.2.3 By Food Tested
5.2.4 By Region
5.3 Market Dynamics
5.3.1 Drivers
5.3.1.1 Increase in Outbreaks of Chemical Contamination in Food Processing Industries
5.3.1.2 Growing Allergic Reactions Among Consumers
5.3.1.3 Global Movement of Organic Revolution
5.3.1.4 Implementation of Stringent Food Safety Regulations
5.3.1.5 International Trade of Food Materials
5.3.2 Restraints
5.3.2.1 Lack of Food Control Infrastructure & Resources in Developing Countries
5.3.2.2 Lack of Awareness About Safety Regulations Among Food Manufacturers
5.3.3 Opportunities
5.3.3.1 Expansion Opportunities in Emerging Markets for Residue Testing
5.3.3.2 Increasing Consumers’ Demand for Food Safety
5.3.4 Challenges
5.3.4.1 Inappropriate Standard of Sample Collection
5.3.4.2 Lack of Standardization of Food Safety Regulations

6 Residue Testing Market, By Type
6.1 Introduction
6.2 Pesticides
6.2.1 Herbicides
6.2.2 Insecticides
6.2.3 Fungicides
6.2.4 Other Pesticides
6.3 Toxins
6.3.1 Mycotoxins
6.3.1.1 Aflatoxins
6.3.1.2 Ochratoxins
6.3.1.3 Patulin
6.3.1.4 Fusarium
6.3.2 Other Toxins
6.4 Heavy Metals
6.4.1 Arsenic
6.4.2 CADMium
6.4.3 Lead
6.4.4 Mercury
6.4.5 Others
6.5 Food Allergens
6.5.1 Peanut & Soy
6.5.2 Wheat
6.5.3 Milk
6.5.4 Egg
6.5.5 Tree Nuts
6.5.6 Other Allergens
6.6 Other Residues

7 Residue Testing Market, By Technology
7.1 Introduction
7.2 Chromatography (HPCL, GC, LC, LC-MS/MS)
7.3 Spectroscopy
7.4 Immunoassay
7.5 Other Technologies
8 Residue Testing Market, By Food Tested
8.1 Introduction
8.2 Meat & Poultry
8.3 Dairy Products
8.4 Processed Food
8.5 Fruits & Vegetables
8.6 Cereals, Grains & Pulses
8.7 Nut, Seed & Spice Products
8.8 Other Foods Tested

9 Residue Testing Market, By Region
9.1 Introduction
9.2 North America
9.2.1 U.S.
9.2.2 Canada
9.2.3 Mexico
9.3 Europe
9.3.1 Germany
9.3.2 France
9.3.3 U.K.
9.3.4 Italy
9.3.5 Poland
9.3.6 Rest of Europe
9.4 Asia-Pacific
9.4.1 China
9.4.2 India
9.4.3 Japan
9.4.4 Australia & New Zealand
9.4.5 Rest of Asia-Pacific
9.5 Rest of the World (RoW)
9.5.1 Brazil
9.5.2 Argentina
9.5.3 South Africa
9.5.4 Others in RoW

10 Regulations
10.1 Introduction
10.2 International Body for Food Safety Standards and Regulations
10.2.1 Codex Alimentarius Commission (CAC)
10.3 Global Food Safety Initiative (GFSI)
10.4 North America
10.4.1 U.S. Environmental Protection Agency (EPA)
10.4.1.1 Federal Pesticide Laws
10.4.1.2 Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
10.4.1.3 Federal Food, Drug, and Cosmetic Act (FFDCA)
10.4.1.4 Food Quality Protection Act of 1996
10.4.1.5 The Pesticide Registration Improvement Act of 2003 (PRIA)
10.4.1.6 The Pesticide Label
10.4.1.7 HACCP Regulation in the U.S.
10.4.1.8 Food Safety Regulations for Fruit & Vegetable Growers
10.4.1.9 FDA Food Safety Modernization Act (FSMA)
10.4.1.10 Food Allergen Labeling and Consumer Protection Act
10.4.1.11 The Toxic Substances Control Act of 1976
10.4.1.12 U.S. Food and Drug Administration (FDA)
10.4.2 Canada
10.4.2.1 Health Canada Food Allergens Labeling
10.4.2.2 Pesticides
10.4.2.2.1 Federal (Pest Management Regulatory Agency of Health Canada)
10.4.2.2.2 Provincial/Territorial
10.4.2.2.3 Municipal
10.4.2.3 Prohibition of Certain Toxic Substances Regulations, 2012 (SOR/2012-285)
10.5 Mexico
10.6 Europe
10.6.1 European Union Regulations
10.6.1.1 General Food Law for Food Safety
10.6.1.2 Toxins Regulation
10.6.1.2.1 Ochratoxin A
10.6.1.2.2 Dioxin and PCBS
10.6.1.2.3 Fusarium Toxins
10.6.1.2.4 Aflatoxins
10.6.1.2.5 Polycyclic Aromatic Hydrocarbons (PAH)
10.6.2 European Food Information Council - Food Allergen Labeling
10.6.3 Germany
10.6.4 U.K.
10.7 Asia-Pacific
10.7.1 China
10.7.2 India
10.7.2.1 Food Safety Standards Amendment Regulations, 2012
10.7.2.2 Food Safety and Standards Act, 2006
10.7.3 Australia
10.7.3.1 Food Standards Australia New Zealand
10.7.4 New Zealand

11 Competitive Landscape
11.1 Overview
11.2 Competitive Situations & Trends
11.2.1 Acquisitions
11.2.2 Expansions & Investments
11.2.3 New Service Launches
11.2.4 Partnerships, Collaborations & Accreditations

12 Company Profiles
12.1 Introduction
(Business Overview, Products & Services, Key Insights, Recent Developments, SWOT Analysis, Ratio Analysis,
MnM View)*
12.2 Eurofins Scientific SE
12.3 Bureau Veritas S.A.
12.4 SGS S.A.
12.5 Intertek Group PLC
12.6 Silliker, Inc.
12.7 ALS Limited
12.8 Asurequality Limited
12.9 SCS Global Services
12.10 Microbac Laboratories, Inc.
12.11 Symbio Alliance

*Details on Business Overview, Products & Services, Key Insights, Recent Developments, SWOT Analysis, MnM View Might Not Be Captured in Case of Unlisted Companies.

13 Appendix
13.1 Industry Insights
13.2 Discussion Guide
13.3 More Company Developments
13.3.1 Acquisitions
13.3.2 Expansions & Investments
13.3.3 Agreements, Accreditations and Partnerships
13.3.4 New Service Launches

List of Tables
Table 1 Recent Chemical Outbreaks in the World
Table 2 Causes of Food-Induced Anaphylaxis in Children, By Country
Table 3 Limitations of Toxin Contaminants in Foods in India
Table 4 Number of Certification Agencies and Laboratories in China
Table 5 Residue Testing Market Size, By Type, 2014–2021 (USD Million)
Table 6 Pesticide Residue Testing Market Size, By Sub-Type, 2014–2021 (USD Million)
Table 7 Pesticide Residue Testing Market Size, By Region, 2014–2021 (USD Million)
Table 8 Pesticide Residue Testing Market Size, By Food Tested, 2014–2021 (USD Million)
Table 9 Toxin Residue Testing Market Size, By Sub-Type, 2014–2021 (USD Million)
Table 10 Toxin Residue Testing Market, By Region, 2014–2021 (USD Million)
Table 11 Toxin Residue Testing Market Size, By Food Tested, 2014–2021 (USD Million)
Table 12 Specified Limits for Metal Contaminants in Food By FSSAI
Table 13 Heavy Metals Testing Market, By Sub-Type, 2014–2021 (USD Million)
Table 14 Heavy Metal Residue Testing Market Size, By Region, 2014–2021 (USD Million)
Table 15 Heavy Metal Residue Testing Market Size, By Food Tested, 2014–2021 (USD Million)
Table 16 Allergen Residue Testing Market Size, By Sub-Type, 2014–2021 (USD Million)
Table 17 Allergen Residue Testing Market Size, By Region, 2014–2021 (USD Million)
Table 18 Allergen Residue Testing Market Size, By Food Tested, 2014–2021 (USD Million)
Table 19 Other Residue Testing Market Size, By Region, 2014–2021 (USD Million)
Table 20 Other Residue Testing Market Size, By Food Tested, 2014–2021 (USD Million)
Table 21 Residue Testing Market Size, By Technology, 2014-2021 (USD Million)
Table 22 Chromatography Based Residue Testing Market Size, By Region, 2014-2021 (USD Million)
Table 23 Spectroscopy Based Residue Testing Market Size, By Region, 2014-2021 (USD Million)
Table 24 Immunoassay Market Size, By Region, 2014-2021 (USD Million)
Table 25 Residue Testing Market Size for Other Technologies, By Region, 2014-2021 (USD Million)
Table 26 Residue Testing Market Size, By Food Tested, 2014-2021 (USD Million)
Table 27 Meat & Poultry Testing Market Size, By Residue Type, 2014–2021 (USD Million)
Table 28 Dairy Products Testing Market Size, By Residue Type, 2014–2021 (USD Million)
Table 29 Processed Food Testing Market Size, By Residue Type, 2014–2021 (USD Million)
Table 30 Fruits & Vegetables Market Size, By Residue Type, 2014–2021 (USD Million)
Table 31 Cereals & Grains Market Size, By Residue Type, 2014–2021 (USD Million)
Table 32 Nut, Seed & Spice Products Testing Market, By Residue Type, 2014–2021 (USD Million)
Table 33 Food Residues Market in Other Foods, By Type, 2014–2021 (USD Million)
Table 34 Residue Testing Market Size, By Region, 2014-2021 (USD Million)
Table 35 North America: Residue Testing Market Size, By Country, 2014-2021 (USD Million)
Table 36 North America: Residue Testing Market, By Type, 2014-2021 (USD Million)
Table 37 North America: Food Residues Testing Market, By Technology, 2014-2021 (USD Million)
Table 38 U.S.: Residue Testing Market Size, By Type, 2014-2021 (USD Million)
Table 39 Canada: Residue Testing Market Size, By Type, 2014-2021 (USD Million)
Table 40 Mexico: Residue Testing Market Size, By Type, 2014-2021 (USD Million)
Table 41 Europe: Residue Testing Market Size, By Country, 2014–2021 (USD Million)
Table 42 Europe: Residues Testing Market, By Type, 2014-2021 (USD Million)
Table 43 Europe: Food Residues Testing Market, By Technology, 2014-2021 (USD Million)
Table 44 Germany: Residue Testing Market Size, By Type, 2014–2021 (USD Million)
Table 45 France: Residue Testing Market Size, By Type, 2014–2021 (USD Million)
Table 46 U.K.: Residue Testing Market Size, By Type, 2014–2021 (USD Million)
Table 47 Italy: Residue Testing Market Size, By Type, 2014–2021 (USD Million)
Table 48 Poland: Residue Testing Market Size, By Type, 2014–2021 (USD Million)
Table 49 Rest of Europe: Residue Testing Market Size, By Type, 2014–2021 (USD Million)
Table 50 Asia-Pacific: Residue Testing Market, By Country, 2014-2021 (USD Million)
Table 51 Asia-Pacific: Residues Testing Market, By Type, 2014-2021 (USD Million)
Table 52 Asia-Pacific: Food Residues Testing Market, By Technology, 2014-2021 (USD Million)
Table 53 China: Residue Testing Market, By Type, 2014-2021 (USD Million)
Table 54 India: Residue Testing Market, By Type, 2014-2021 (USD Million)
Table 55 Japan: Residue Testing Market, By Type, 2014-2021 (USD Million)
Table 56 Australia & New Zealand: Residue Testing Market, By Type, 2014-2021 (USD Million)
Table 57 Rest of Asia-Pacific: Residue Testing Market, By Type, 2014-2021 (USD Million)
Table 58 RoW: Pesticide Residue Testing Market, By Country, 2014–2021 (USD Million)
Table 59 RoW: Residue Testing Market, By Type, 2014–2021 (USD Million)
Table 60 RoW: Food Residues Testing Market, By Technology, 2014-2021 (USD Million)
Table 61 Brazil: Residue Testing Market, By Type, 2014–2021 (USD Million)
Table 62 Argentina: Residue Testing Market, By Type, 2014–2021 (USD Million)
Table 63 South Africa: Residue Testing Market, By Type, 2014–2021 (USD Million)
Table 64 Others in RoW: Residue Testing Market, By Type, 2014–2021 (USD Million)
Table 65 Commission Regulation for Ochratoxin A
Table 66 Acquisitions, 2011–2016
Table 67 Expansions & Investments, 2011–2016
Table 68 New Service Launches, 2011–2016
Table 69 Partnerships, Collaborations & Accreditations, 2011–2016
Table 70 Acquisitions, 2011–2016
Table 71 Expansions, 2011–2016
Table 72 Agreements, Accreditations and Partnerships, 2011–2016
Table 73 New Service Launches, 2010–2016

List of Figures

Figure 1 Residue Testing Market Segmentation
Figure 2 Residue Testing Market, By Type
Figure 3 Residue Testing Market: Research Design
Figure 4 Market Size Estimation Methodology: Bottom-Up Approach
Figure 5 Market Size Estimation Methodology: Top-Down Approach
Figure 6 Data Triangulation
Figure 7 Residue Testing Market Size, 2016 vs 2021 (USD Million)
Figure 8 Residue Testing Market Snapshot, By Type, 2016 vs 2021
Figure 9 Residue Testing Market Size (Value), By Region, 2016–2021
Figure 10 Residue Testing Market Size, By Technology, 2016–2021
Figure 11 Residue Testing Market Size, By Food Tested, 2016–2021
Figure 12 Residue Testing Market Share (Value), By Region, 2015
Figure 13 Increase in Outbreaks of Chemical Contamination Due to Residues to Drive the Growth of the Residue Testing Market
Figure 14 China Projected to Grow at the Highest Rate, 2016–2021
Figure 15 Pesticide Residue Testing is Projected to Record High Growth Between 2016 & 2021
Figure 16 Markets in China & India are Projected to Grow at the Highest CAGR
Figure 17 Chromatography Segment Was the Largest, 2015
Figure 18 Pesticide Residue Testing Market to Grow at the Highest Rate, 2016–2021
Figure 19 Residue Testing Market, By Type
Figure 20 Residue Testing Market, By Technology
Figure 21 Residue Testing Market, By Food Tested
Figure 22 Residue Testing Market Snapshot, By Region
Figure 23 Market Dynamics: Residue Testing
Figure 24 One-Third of Americans Believe Chemicals in Food is the Most Important Food Safety Issue
Figure 25 Food Recall Statistics (2006–2015)
Figure 26 Pesticides is Projected to Form the Fastest-Growing Segment in the Residue Testing Market, 2015
Figure 27 FDA’s Pesticide Regulatory Monitoring Data, 2013
Figure 28 Europe is Estimated to Dominate the Pesticide Residue Testing Market in 2016
Figure 29 Biotoxin Recalls, 2006–2015
Figure 30 Europe Estimated to Dominate the Heavy Metal Residue Testing Market, 2016–2021
Figure 31 Undeclared Allergen Recalls, 2006–2015
Figure 32 Types of Chemicals & Other Contaminant Recalls, 2006–2015
Figure 33 Key Factors Responsible for Food Contamination & Foodborne Illnesses, 2013–2014
Figure 34 Chromatography Technology Advancement Drives the Residue Testing Market Growth
Figure 35 Asia-Pacific is Projected to Be the Fastest-Growing in the Residue Testing Market, 2016–2021
Figure 36 Food Categories Associated With Food Recalls
Figure 37 Processed Food Dominated the Residue Testing Market, 2015
Figure 38 Pesticide Testing in Meat & Poultry is Projected to Be the Fastest-Growing Segment
Figure 39 Toxins Residue Testing in Cereals & Grains is Estimated to Be the Largest Segment, 2016
Figure 40 The U.S. Held the Largest Share in the Residue Testing Market, 2015
Figure 41 North American Market Snapshot: U.S. Commands the Largest Share in the Residue Testing Market (2016–2021)
Figure 42 European Market Snapshot: France to Command the Largest Share in Residue Testing Market (2016–2021)
Figure 43 Asia-Pacific Market Snapshot: Japan & China Accounted for the Largest Share in the Residue Testing Market in 2015
Figure 44 Pesticides Production, Consumption, and Import/Export of China (10,000 Tons)
Figure 45 RoW Snapshot: Brazil to Command the Largest Share in the Residue Testing Market (2016–2021)
Figure 46 Legislation Process in the European Union
Figure 47 FSA Response in Relation to Other Government Departments
Figure 48 Acquisitions and Expansions: Leading Approach of Key Companies
Figure 49 Service Portfolio Capitalizes on Acquisitions, 2014–2016
Figure 50 Acquisitions: Popular Strategy for the Global Residue Testing Market
Figure 51 Geographic Revenue Mix of Top Market Players
Figure 52 Eurofins Scientific SE: Company Snapshot
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit
http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Residue Testing Market - Global Forecast to 2021
Web Address: http://www.researchandmarkets.com/reports/3858033/
Office Code: SC2GGX98

Product Formats
Please select the product formats and quantity you require:

- Electronic (PDF) - Single User: USD 5650
- Electronic (PDF) - 1 - 5 Users: USD 6650
- Electronic (PDF) - Site License: USD 8150
- Electronic (PDF) - Enterprisewide: USD 10000

* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof [ ]
First Name: ___________________________________________ Last Name: ___________________________________________
Email Address: * ______________________________________
Job Title: ____________________________________________
Organisation: _________________________________________
Address: ____________________________________________
City: _________________________________________________
Postal / Zip Code: ____________________________________
Country: _____________________________________________
Phone Number: _______________________________________
Fax Number: _________________________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Please indicate the payment method you would like to use by selecting the appropriate box.

- **Pay by credit card:** You will receive an email with a link to a secure webpage to enter your credit card details.
- **Pay by check:** Please post the check, accompanied by this form, to:
  Research and Markets,
  Guinness Center,
  Taylors Lane,
  Dublin 8,
  Ireland.
- **Pay by wire transfer:** Please transfer funds to:
  - Account number: 833 130 83
  - Sort code: 98-53-30
  - Swift code: ULSBIE2D
  - IBAN number: IE78ULSB98533083313083
  - Bank Address: Ulster Bank,
    27-35 Main Street,
    Blackrock,
    Co. Dublin,
    Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: 

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:

(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World