

Environmental Testing - A Global Market Overview

Market Report | 2024-09-20 | 386 pages | Industry Experts

AVAILABLE LICENSES:

- Single user licence (PDF) \$4500.00
- Enterprise Electronic (PDF) \$7200.00

Report description:

Environmental Testing Market Trends and Outlook

Environmental Testing can be described as a procedure that utilizes various technologies for determining the types of contaminants present in a specific sample. This sample can be air, soil, water and even wastewater or effluent that requires treatment for further use. Increasing industrial activity and pollution have resulted in growing concerns about public health. Governments across the world are mandated to ensure the safety and sanctity of the environment, for which several initiatives have been and are being undertaken. These include the enactment of stringent environment protection laws and creating awareness about the damaging effects that using chemical-based and other harmful substances have on the ecological balance. Owing to these factors, Environmental Testing procedures involving various technologies and applications have garnered widespread acceptance.

Over the 2024-2030 analysis period, the worldwide demand for Environmental Testing is expected to clock a CAGR of 7.9% and reach a projected US\$18 billion by 2030 from an estimated US\$11.4 billion in 2024.

Environmental Testing has become an essential feature in maintaining sustainable ecological balance, the major growth drivers for which include increasing soil and water contamination, uncontrolled industrial activity, regulatory authorities striking down hard on environment polluters, healthy demand for rapid testing and compact, economical & rapid water analysis instruments that enhance scope of testing.

Environmental Testing Regional Market Analysis

While North America and Europe together form the leading global markets for Environmental Testing, Asia-Pacific is expected to be the fastest growing. The main reasons for this include greater environmental pollution in this rapidly industrializing region, requiring greater Environmental Testing initiatives for improving living conditions by limiting pollution levels. In North America, the US Environmental Protection Agency (EPA) monitors pollution and mandates control rules that have to be followed by all concerned parties, because of which Environmental Testing is an integral part of maintaining an unpolluted ecosystem.

Environmental Testing Market Analysis by Sample Type

The major categories of samples tested under Environmental Testing include Water, Wastewater/Effluent, Soil and Air, among which Wastewater/Effluent samples account for the largest share. Treating wastewater is an essential process to maintain public health and the environment, in addition to ensuring the efficient progress of industrial activity. The demand for testing of Soil, however, is likely to log the fastest growth over the analysis period. This comprises analyzing soil for optimizing crop production, protecting the environment from runoff & leaching of excess fertilizers, helping diagnose problems in plant culture, enhancing

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

nutritional balance of the growing media and using only the requisite quantity of fertilizers to ensure cost saving.

Environmental Testing Market Analysis by Target Type

Microbial Contaminants, Organic Compounds, Heavy Metals, Residues and Solids are the chief types of targets tested using Environmental Testing methods. The largest share is accounted for by testing of Microbial Contaminants, which involves detection of specific microorganisms using selective media. These media can amplify the growth of some microbial organisms and suppress the same for others. Organic Compounds, commonly found in water, air and soil, are also the subject of frequent testing due to being essential ingredients of several products and materials. Because of these factors, the demand for testing of these sample types will likely post the fastest and second fastest CAGRs over the analysis period, with testing of Residue samples exhibiting the slowest growth.

Environmental Testing Market Analysis by Technology

In terms of technology, Conventional and Rapid are the two types used for Environmental Testing, of which Rapid, other than cornering a larger share, would also anticipatedly register a faster growth during the analysis period. Major advantages of Rapid technologies include minimization of labor requirements, reduction in cost per test, greater accuracy & increased sample throughput, automation and efficiency. Mass spectroscopy is one sub-type of Rapid Environmental Testing that is on a rapid growth trajectory, since it is highly effective in determining environmental chemical pollution.

Environmental Testing Market Analysis by End-Use Sector

End-use sectors where Environmental Testing is employed comprise Government, Industries, Environment Testing Labs, Energy & Utilities and Agriculture, among others. Within these, Government agencies that conduct Environmental Testing, primarily involving the geological and forestry departments along with municipal authorities, lead the global market. These administrative sectors, apart from undertaking tests, are also responsible to create awareness among the population about the harm being faced by the environment today and the ways to overcome the same. The use of Environmental Testing in Industries also occupies a considerable share, with a greater focus on testing the indoor environment in the chemical, pharmaceutical and healthcare sectors. Government legislations in several regions have strictly mandated that the workforce in several industries be safeguarded against harmful pollutants emitted by the manufacturing operations, thereby necessitating the use of adequate testing procedures, due to which the market for Environmental Testing in the Industrial sector will log the fastest growth.

Environmental Testing Market Report Scope

This global report on Environmental Testing analyzes the market based on sample type, target type, technology and end-use sector. In addition to providing profiles of major companies operating in this space, the latest corporate and industrial developments have been covered to offer a clear panorama of how and where the market is progressing.

Key Metrics

Historical Period: 2021-2023

Base Year: 2023

Forecast Period: 2024-2030

Units: Value market in US\$

Companies Mentioned: 40+

Environmental Testing Market by Geographic Region

- North America (The United States, Canada and Mexico)
- Europe (France, Germany, Italy, Russia, Spain, The United Kingdom and Rest of Europe)
- Asia-Pacific (China, Japan, India, South Korea and Rest of Asia-Pacific)
- South America (Argentina, Brazil and Rest of South America)
- Rest of World (Middle East & Africa)

Environmental Testing Market by Sample Type

- Air
- Soil
- Water
- Wastewater/Effluent

Environmental Testing Market by Target Type

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Heavy Metals
- Microbial Contaminants
- Organic Compounds
- Residues
- Solids

Environmental Testing Market by Technology

- Conventional Technologies [Include Biological & Chemical Oxygen Demand (BOD & COD), Culture Plate Method and Dissolved Oxygen Determination (DOD)]
- Rapid Technologies (Include Acidity/Alkalinity Testing, Chromatography Testing, Immunoassay Testing, Mass Spectrometer Testing, Molecular Spectroscopy Testing, PCR Testing & Turbidity Testing)

Environmental Testing Market by End-Use Sector

- Agriculture
- Energy & Utilities
- Environment Testing Labs
- Government
- Industries

Table of Contents:

PART A: GLOBAL MARKET PERSPECTIVE

1. Introduction

- Product Outline
 - Environmental Testing Defined
 - Environmental Testing Market by Sample Type
 - o□Air
 - o□Soil
 - o□Water
 - o□Wastewater/Effluent
 - Environmental Testing Market by Target Type
 - o□Heavy Metals
 - o□Microbial Contaminants
 - o□Organic Compounds
 - o□Residues
 - o□Solids
 - Environmental Testing Market by Technology
 - o□Conventional Technologies
 - o□Rapid Technologies
 - Environmental Testing Market by End-Use Sector
 - o□Agriculture
 - o□Energy & Utilities
 - o□Environment Testing Labs
 - o□Government
 - o□Industries
- ##### 2. Key Market Trends
- ##### 3. Key Global Players
- AB Sciex LLC
 - Advanced Environmental Testing

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- [] AES Laboratories Pvt. Ltd.
- [] Agdia, Inc.
- [] Agilent Technologies, Inc.
- [] AirMD, Inc.
- [] Alex Stewart International (ASI)
- [] Alpha Analytical, Inc.
- [] ALS Limited
- [] American Environmental Testing Laboratory, LLC.
- [] Analabs Inc.
- [] Analytik Jena AG (Endress+Hauser AG)
- [] Aquaread Ltd
- [] Aralab
- [] AsureQuality
- [] Bio-Rad Laboratories, Inc.
- [] bioMerieux SA
- [] Bureau Veritas SA
- [] Bruker Corporation
- [] Bureau Veritas SA
- [] Celestica, Inc.
- [] Centre Testing International
- [] Charles River Laboratories International, Inc.
- [] Covance, Inc.
- [] DGT Research Ltd
- [] Drew Marine USA, Inc.
- [] EAG Laboratories
- [] Element Materials Technology Group Limited
- [] EMSL Analytical, Inc.
- [] Environmental Testing, Inc.
- [] Eurofins Scientific
- [] Exova Group Limited
- [] Hydrologic Associates
- [] Intertek Group plc
- [] EOL, Ltd.
- [] LGC Limited
- [] MDS Analytical Technologies (US) Inc. (Danaher Corporation)
- [] Merck KGaA
- [] Merieux Nutrisciences Corporation
- [] Microbac Laboratories, Inc.
- [] Pace Analytica
- [] Pace Analytical Services, LLC
- [] PerkinElmer, Inc.
- [] Premier Analytical Services
- [] R J Hill Laboratories Ltd.
- [] Romer Labs Division Holding GmbH
- [] Shimadzu Corporation
- [] Societe Generale de Surveillance SA (SGS SA)
- [] Suburban Testing Labs

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Symbio Laboratories Pty Ltd.
- Thermo Fisher Scientific Inc.
- TUV SUD AG
- UL LLC
- Waters Corporation

4. Key Business & Product Trends

5. Global Market Overview

- Global Environmental Testing Market Overview by Sample Type
 - o□Environmental Testing Sample Type Market Overview by Global Region
 - Air
 - Soil
 - Water
 - Wastewater/Effluent
- Global Environmental Testing Market Overview by Target Type
 - o□Environmental Testing Target Type Market Overview by Global Region
 - Heavy Metals
 - Microbial Contaminants
 - Organic Compounds
 - Residues
 - Solids
- Global Environmental Testing Market Overview by Technology
 - o□Environmental Testing Technology Market Overview by Global Region
 - Conventional Technologies
 - Rapid Technologies
- Global Environmental Testing Market Overview by End-Use Sector
 - o□Environmental Testing End-Use Sector Market Overview by Global Region
 - Agriculture
 - Energy & Utilities
 - Environment Testing Labs
 - Government
 - Industries

PART B: REGIONAL MARKET PERSPECTIVE

- Global Environmental Testing Market Overview by Geographic Region

REGIONAL MARKET OVERVIEW

6. North America

- North American Environmental Testing Market Overview by Geographic Region
- North American Environmental Testing Market Overview by Sample Type
- North American Environmental Testing Market Overview by Target Type
- North American Environmental Testing Market Overview by Technology
- North American Environmental Testing Market Overview by End-Use Sector
- Country-wise Analysis of North American Environmental Testing Market
 - o□The United States
 - United States Environmental Testing Market Overview by Sample Type
 - United States Environmental Testing Market Overview by Target Type
 - United States Environmental Testing Market Overview by Technology
 - United States Environmental Testing Market Overview by End-Use Sector
 - o□Canada

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- [] Canadian Environmental Testing Market Overview by Sample Type
- [] Canadian Environmental Testing Market Overview by Target Type
- [] Canadian Environmental Testing Market Overview by Technology
- [] Canadian Environmental Testing Market Overview by End-Use Sector
- o [] Mexico
 - [] Mexican Environmental Testing Market Overview by Sample Type
 - [] Mexican Environmental Testing Market Overview by Target Type
 - [] Mexican Environmental Testing Market Overview by Technology
 - [] Mexican Environmental Testing Market Overview by End-Use Sector
- 7. Europe
 - [] European Environmental Testing Market Overview by Geographic Region
 - [] European Environmental Testing Market Overview by Sample Type
 - [] European Environmental Testing Market Overview by Target Type
 - [] European Environmental Testing Market Overview by Technology
 - [] European Environmental Testing Market Overview by End-Use Sector
 - [] Country-wise Analysis of European Environmental Testing Market
 - o [] France
 - [] French Environmental Testing Market Overview by Sample Type
 - [] French Environmental Testing Market Overview by Target Type
 - [] French Environmental Testing Market Overview by Technology
 - [] French Environmental Testing Market Overview by End-Use Sector
 - o [] Germany
 - [] German Environmental Testing Market Overview by Sample Type
 - [] German Environmental Testing Market Overview by Target Type
 - [] German Environmental Testing Market Overview by Technology
 - [] German Environmental Testing Market Overview by End-Use Sector
 - o [] Italy
 - [] Italian Environmental Testing Market Overview by Sample Type
 - [] Italian Environmental Testing Market Overview by Target Type
 - [] Italian Environmental Testing Market Overview by Technology
 - [] Italian Environmental Testing Market Overview by End-Use Sector
 - o [] Russia
 - [] Russian Environmental Testing Market Overview by Sample Type
 - [] Russian Environmental Testing Market Overview by Target Type
 - [] Russian Environmental Testing Market Overview by Technology
 - [] Russian Environmental Testing Market Overview by End-Use Sector
 - o [] Spain
 - [] Spanish Environmental Testing Market Overview by Sample Type
 - [] Spanish Environmental Testing Market Overview by Target Type
 - [] Spanish Environmental Testing Market Overview by Technology
 - [] Spanish Environmental Testing Market Overview by End-Use Sector
 - o [] The United Kingdom
 - [] United Kingdom Environmental Testing Market Overview by Sample Type
 - [] United Kingdom Environmental Testing Market Overview by Target Type
 - [] United Kingdom Environmental Testing Market Overview by Technology
 - [] United Kingdom Environmental Testing Market Overview by End-Use Sector
 - o [] Rest of Europe

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Rest of Europe Environmental Testing Market Overview by Sample Type
- Rest of Europe Environmental Testing Market Overview by Target Type
- Rest of Europe Environmental Testing Market Overview by Technology
- Rest of Europe Environmental Testing Market Overview by End-Use Sector

8. Asia-Pacific

- Asia-Pacific Environmental Testing Market Overview by Geographic Region
- Asia-Pacific Environmental Testing Market Overview by Sample Type
- Asia-Pacific Environmental Testing Market Overview by Target Type
- Asia-Pacific Environmental Testing Market Overview by Technology
- Asia-Pacific Environmental Testing Market Overview by End-Use Sector
- Country-wise Analysis of Asia-Pacific Environmental Testing Market

o□ China

- Chinese Environmental Testing Market Overview by Sample Type
- Chinese Environmental Testing Market Overview by Target Type
- Chinese Environmental Testing Market Overview by Technology
- Chinese Environmental Testing Market Overview by End-Use Sector

o□ India

- Indian Environmental Testing Market Overview by Sample Type
- Indian Environmental Testing Market Overview by Target Type
- Indian Environmental Testing Market Overview by Technology
- Indian Environmental Testing Market Overview by End-Use Sector

o□ Japan

- Japanese Environmental Testing Market Overview by Sample Type
- Japanese Environmental Testing Market Overview by Target Type
- Japanese Environmental Testing Market Overview by Technology
- Japanese Environmental Testing Market Overview by End-Use Sector

o□ South Korea

- South Korean Environmental Testing Market Overview by Sample Type
- South Korean Environmental Testing Market Overview by Target Type
- South Korean Environmental Testing Market Overview by Technology
- South Korean Environmental Testing Market Overview by End-Use Sector

o□ Rest of Asia-Pacific

- Rest of Asia-Pacific Environmental Testing Market Overview by Sample Type
- Rest of Asia-Pacific Environmental Testing Market Overview by Target Type
- Rest of Asia-Pacific Environmental Testing Market Overview by Technology
- Rest of Asia-Pacific Environmental Testing Market Overview by End-Use Sector

9. South America

- South American Environmental Testing Market Overview by Geographic Region
- South American Environmental Testing Market Overview by Sample Type
- South American Environmental Testing Market Overview by Target Type
- South American Environmental Testing Market Overview by Technology
- South American Environmental Testing Market Overview by End-Use Sector
- Country-wise Analysis of South American Environmental Testing Market

o□ Argentina

- Argentine Environmental Testing Market Overview by Sample Type
- Argentine Environmental Testing Market Overview by Target Type
- Argentine Environmental Testing Market Overview by Technology

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

-□Argentine Environmental Testing Market Overview by End-Use Sector

o□Brazil

-□Brazilian Environmental Testing Market Overview by Sample Type

-□Brazilian Environmental Testing Market Overview by Target Type

-□Brazilian Environmental Testing Market Overview by Technology

-□Brazilian Environmental Testing Market Overview by End-Use Sector

o□Rest of South America

-□Rest of South American Environmental Testing Market Overview by Sample Type

-□Rest of South American Environmental Testing Market Overview by Target Type

-□Rest of South American Environmental Testing Market Overview by Technology

-□Rest of South American Environmental Testing Market Overview by End-Use Sector

10. Middle East & Africa

-□Middle East & Africa Environmental Testing Market Overview by Sample Type

-□Middle East & Africa Environmental Testing Market Overview by Target Type

-□Middle East & Africa Environmental Testing Market Overview by Technology

-□Middle East & Africa Environmental Testing Market Overview by End-Use Sector

PART C: GUIDE TO THE INDUSTRY

PART D: ANNEXURE

1. RESEARCH METHODOLOGY

2. FEEDBACK

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Environmental Testing - A Global Market Overview

Market Report | 2024-09-20 | 386 pages | Industry Experts

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single user licence (PDF)	\$4500.00
	Enterprise Electronic (PDF)	\$7200.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-22"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com