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Environmental Testing Products Market by Product (Instrument, Consumable), Technology (HPLC/LC, GC, Mass Spectrometry, NMR, IR, PCR), Application (Water (PFAS), Air, Soil (Pesticide)), End User (Industrial, Govt., Residential) - Global Forecast to 2030

https://marketpublishers.com/r/E1B8BD70A156EN.html
Date: April 2025
Pages: 352
Price: US$ 4,950.00 (Single User License)
ID: E1B8BD70A156EN

Abstracts

The global environmental testing products market is projected to reach USD 5.62 billion by 2030 from USD 3.80 billion in 2024, growing at a CAGR of 7.1% during the forecast period. The projected market growth for environmental testing products is supported by the covers of benefits. Environmental testing products are important in monitoring the environment and assessing its quality. They form the basis for regulatory compliance, public health protection, scientific research, and industrial applications. Their provision of accurate data on contaminants and pollutants helps make decisions aimed at achieving environmental health and safety.

“ Liquid Chromatography segment to register largest market share in 2023-2030.”

Based on the technology, the environmental testing products market is segmented into – liquid chromatography, gas chromatography, NMR spectroscopy, Infra Red spectroscopy, Raman spectroscopy, standalone mass spectrometry, PCR, immunoassay and other technologies. These technolgies are used in environmental testing products taken into account while estimating the entire market. The liquid chromatography segment registered the largest market share for the forecasted year of 2024-2030. Ultra-high-performance liquid chromatography (UHPLC) shortens the time for running and enhances resolution for best analysis throughput. Advances in LC Instruments have also reduced costs, such as modular systems and those that

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consume a less solvent. Liquid chromatography is taking root into environmental testing owing to regulatory compliance, new chemicals to be analyzed, technological advances, and the versatility offered in handling complex matrices. As advancements progress in instrumentation and public awareness on the environment increases, LC continues to be a mainstay for safety of air, water, and soil.

“instruments segment held the largest share of environmental testing products market in 2023, by product.”

Based on the product, the environmental testing products market is segmented into instruments, cosumables, and software & services. In 2023, the instruments segment accounted the largest share of global environmental testing products market. The market for environmental testing instruments is determined by different factors that boost the demand of testing solutions with high precision, efficiency, and reliability. Further, public awareness is fast growing-up with technological improvements, need for detection of emerging contaminants, expansion of industrial activities, climate change initiatives, sustainability goals, and government support. These trends will keep strengthening the demand, and the market for environmental testing instruments is expected to witness considerable growth in the forthcoming years.

“Industry facilities segment held the largest share of environmental testing products market in 2023, by End-user.”

Based on the end-user, the environmental testing products market is segmented into Industry facilities, contract testing labs, government & municipal agencies, residential & commercial facilities and Other end users. In 2023, Industrial facilities account for the largest share of the environmental testing products market due to their high levels of emissions, wastewater discharge, and hazardous waste generation, which necessitate strict regulatory compliance and continuous monitoring. Industries such as oil & gas, chemical manufacturing, power generation, mining, and construction produce significant pollutants, including heavy metals, volatile organic compounds (VOCs), and particulate matter, requiring advanced air, water, and soil testing solutions.

“Europe to register significant growth rate in the market during the forecast period.”

For the forecasting period 2024-2030, The European region is anticipated to experience substantial growth throughout the forecast period. Europe comprises Germany, France, Italy, Spain, Rest of Europe. The European region has experienced a notable acceleration in the market growth rate for environmental testing products. Several

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factors have contributed to the growth of the environmental testing products market in the european region. This is offered by strict governing regulations, very fast industrial and urban growth, rising social concern for environmental issues, modernization and advancement in technologies, climate change initiatives, emerging contaminant detection requirements, and government funding support and sustainability objectives. With all this, prospect markets are expected to successfully grow highly over the next few years, resulting in a large amount of investment in advanced monitoring solutions from different sectors.

A breakdown of the primary participants referred to for this report is provided below:

By Company Type: Tier 1–40%, Tier 2–30%, and Tier 3– 30%

By Designation: C-level-- 27%, Director-level–18%, and Others–55%

By Region: North America–35%, Europe-32%, Asia Pacific–25%, Latin America–6%, and the Middle East & Africa–2%

Prominent players in this market are Agilent Technologies, Inc. (US), Thermo Fisher Scientific Inc. (US), Danaher (US), Waters Corporation (US), Bruker (US), Shimadzu Corporation (Japan), among others.

Research Coverage

The report studies the environmental testing products market based on products, application, end user, and region.

The report analyzes factors (such as drivers, restraints, opportunities, and challenges) affecting the market growth.

The report evaluates the opportunities and challenges in the market for stakeholders and provides details of the competitive landscape for market leaders.

The report studies micro markets with respect to their growth trends, prospects, and contributions to the global environmental testing products market.

The report forecasts the revenue of market segments with respect to five major

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regions.

Key Benefits of Buying the Report:

The report will help the new entrants/ market leaders/smaller firms in this market with investment evaluation viability within the environmental testing products market through a thorough analysis of comprehensive data, thereby facilitating robust risk assessment and enabling well-informed investment determinations. Benefit from meticulous market segmentation encompassing end-user, and regional dimensions, affording tailored insights for precise segment targeting. The report also provides an all-encompassing evaluation of encapsulating pivotal trends, challenges, growth catalysts and prospects, thereby empowering strategic decision-making with astute discernment.

The report provides insights on the following pointers:

Analysis of key drivers (increasing compliance requirement to monitor pollutants, growing need of monitoring solutions and integration with real-time monitoring systems), restraints (inconsistency in the availability of trained personnel. Additionally, requirement of significant capital investment), opportunities (innovation in digital connectivity and increasing investments in R&D), and challenges (Shortage of instruments due to disruption in supply chain) influencing the growth of the environmental testing products market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the environmental testing products market.

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the environmental testing products market

Market Development: Comprehensive information about lucrative markets – the report analyses the environmental testing products market across varied regions.

Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like Agilent Technologies, Inc. (US), Thermo Fisher Scientific Inc. (US), Danaher (US), Waters Corporation

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10 ENVIRONMENTAL TESTING PRODUCTS MARKET, BY REGION

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