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Global Persistent Organic Pollutants (POPs) Analysis Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Persistent Organic Pollutants (POPs) Analysis market size is expected to reach $ 4618 million by 2032, rising at a market growth of 7.5% CAGR during the forecast period (2026-2032).

Persistent Organic Pollutants (POPs) Analysis refers to the process of detection and assessment involving the qualitative identification and quantitative determination of the types, concentration levels, and distribution characteristics of Persistent Organic Pollutants (POPs) in environmental media, food, industrial products, or biological samples, utilizing a series of highly sensitive chemical analysis techniques and standardized experimental protocols.

Gross Margin Levels

POPs analysis constitutes a third-party testing service characterized by high technological barriers. Consequently, its gross margins are generally higher than those of standard physicochemical testing, though lower than those of purely software-based or asset-light certification services. For routine product compliance screening—such as standard PCB or organochlorine pesticide testing—market competition is relatively intense, resulting in typical gross margins of approximately 30%–45%. For multi-analyte POPs confirmatory analysis in food, environmental, and waste matrices—which necessitates complex sample pretreatment, isotopic internal standards, reference standards, quality control samples, and ongoing accreditation maintenance—gross margins typically range from 40% to 60%. Furthermore, for ultra-trace analysis projects utilizing High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry (HRGC/HRMS)—covering substances such as dioxins/furans, dioxin-like PCBs, flue gases, and human biological samples—gross margins for high-quality laboratories can

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reach 55%–70%. This is attributable to the high capital investment required for instrumentation, the demand for highly experienced personnel, and clients' stringent requirements regarding data traceability and legal defensibility. However, gross margins are subject to various influencing factors, including instrument depreciation, the cost of reference standards, sample complexity, reporting turnaround times, re-testing rates, and accreditation maintenance costs. Consequently, large-scale laboratories and global TIC (Testing, Inspection, and Certification) groups are typically better positioned to enhance their profit margins through high-throughput sample processing, automated purification systems, and standardized quality control frameworks.

Industry Drivers

The primary driving force behind the POPs analysis market stems from the continuous tightening of global regulatory frameworks. The Stockholm Convention on POPs is constantly expanding its list of controlled substances, while key markets—such as the EU, the UK, China, and Australia—are continually updating their restrictions on substances including PFOS, PFOA, PBDEs, UV-328, Dechlorane Plus, and chlorinated paraffins. This regulatory landscape compels enterprises across sectors—including consumer goods, electronics and electrical equipment, automotive, textiles, plastics, chemicals, and waste management—to demonstrate regulatory compliance through third-party testing services. In 2025, the EU has already updated or advanced regulatory requirements regarding POPs—specifically targeting substances such as PFOS, UV-328, and Dechlorane Plus—thereby directly stimulating demand for product compliance screening and supply chain testing services. A secondary driver is the imperative for risk management regarding food safety and environmental health. Substances such as dioxins, PCBs, and PBDEs are characterized by their persistence, bioaccumulative potential, and biomagnification effects within the food chain; consequently, food products—including fish, meat, dairy, eggs, and animal feed—are subject to rigorous regulatory oversight. Concurrently, from an environmental perspective, key sources of contamination requiring focused monitoring include incineration facilities, metallurgical operations, chemical plants, waste oil processing sites, electronic waste disposal sites, and contaminated land areas. As countries increasingly tighten requirements regarding the remediation of contaminated sites, hazardous waste management, spot checks on food imports, and corporate ESG responsibilities, POPs analysis is evolving from a reactive 'post-incident testing' approach into a normalized service encompassing routine monitoring, supply chain clearance, and risk early warning. Furthermore, China's *Report on Progress in POPs Control (2004–2024)* indicates that POPs have been integrated into frameworks for contaminated site identification, soil risk management and control, and emission

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governance in key industries; this trend is expected to continue driving growth in domestic testing demand.

This report studies the global Persistent Organic Pollutants (POPs) Analysis demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Persistent Organic Pollutants (POPs) Analysis, and provides market size (US$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Persistent Organic Pollutants (POPs) Analysis that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Persistent Organic Pollutants (POPs) Analysis total market, 2021-2032, (USD Million)
Global Persistent Organic Pollutants (POPs) Analysis total market by region & country, CAGR, 2021-2032, (USD Million)
U.S. VS China: Persistent Organic Pollutants (POPs) Analysis total market, key domestic companies, and share, (USD Million)
Global Persistent Organic Pollutants (POPs) Analysis revenue by player, revenue and market share 2021-2026, (USD Million)
Global Persistent Organic Pollutants (POPs) Analysis total market by Type, CAGR, 2021-2032, (USD Million)
Global Persistent Organic Pollutants (POPs) Analysis total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Persistent Organic Pollutants (POPs) Analysis market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Eurofins Scientific, SGS, ALS Limited, Intertek, Bureau Veritas, M?rieux NutriSciences, Element Materials Technology, Fera Science, GBA Group, WESSLING Laboratorien, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Persistent Organic Pollutants (POPs) Analysis market

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Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Persistent Organic Pollutants (POPs) Analysis Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Persistent Organic Pollutants (POPs) Analysis Market, Segmentation by Type:

Organochlorine Pesticides

Industrial Chemicals

Others

Global Persistent Organic Pollutants (POPs) Analysis Market, Segmentation by Core Technical Principles:

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Chromatographic Analysis

Mass Spectrometric Analysis

Others

Global Persistent Organic Pollutants (POPs) Analysis Market, Segmentation by Detection Limit:

Ultra-trace Detection Level: Detection Limit ? 0.1 ppt

Trace Detection Level: Detection Limit 0.1 ppt – 1 ppb

Macro Detection Level: Detection Limit 1 ppb – 1 ppm

Others

Global Persistent Organic Pollutants (POPs) Analysis Market, Segmentation by Application:

Ecological and Environmental Monitoring Sector

Food and Agricultural Product Safety Sector

Chemical and Industrial Manufacturing Sector

Others

Companies Profiled:

Eurofins Scientific

SGS

ALS Limited

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Intertek

Bureau Veritas

M?rieux NutriSciences

Element Materials Technology

Fera Science

GBA Group

WESSLING Laboratorien

TUV SUD

Ramboll Analytics

Veritas Laboratory Services

SOCOTEC

Pace Analytical

Enthalpy Analytical

SGS AXYS Analytical Services

Shimadzu Techno-Research

IDEA Consultants

JFE Techno-Research

Miura Institute of Environmental Science (MIES)

CTI

PONY Testing

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C&K Testing

V-Trust

FITI Testing & Research Institute

Key Questions Answered

1. How big is the global Persistent Organic Pollutants (POPs) Analysis market?
2. What is the demand of the global Persistent Organic Pollutants (POPs) Analysis market?
3. What is the year over year growth of the global Persistent Organic Pollutants (POPs) Analysis market?
4. What is the total value of the global Persistent Organic Pollutants (POPs) Analysis market?
5. Who are the Major Players in the global Persistent Organic Pollutants (POPs) Analysis market?
6. What are the growth factors driving the market demand?

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