

Global Analytical Standards Market Size study & Forecast, by Category (Organic, Inorganic), by Technique (Chromatography, Spectroscopy, Titrimetry, Physical Property Testing), by Methodology (Bioanalytical Testing, Stability Testing, Raw Material Testing, Dissolution Testing, Other Methodologies), by Application and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/G09A82C64D80EN.html>

Date: February 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G09A82C64D80EN

Abstracts

Global Analytical Standards Market is valued at approximately USD 1.40 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 6.9% during the forecast period 2023-2030. Analytical standards are very pure and well-characterized chemical compounds or materials that serve as benchmark points for various analytical techniques. They function similarly to analytical rulers and scales, ensuring the accuracy and dependability of the measurements. The Analytical Standards Market is expanding because of factors such as rising consumer awareness related to optimal food safety and quality measures, the growing burden of chronic diseases combined with an increase in drug development, and increasing demand for quick and reliable results for expanding patient populations.

The large number of people affected by chronic diseases, as well as the growing need for new treatments, drive demand for analytical techniques such as chromatography, spectroscopy, and titrimetry, among others, employed in drug discovery. Thus, an increasing worldwide disease burden promotes the development of reliable medications and their validation. Furthermore, a significant increase in product quality testing through frequent inspections, certification of analytical techniques, and other factors are

expected to contribute to worldwide market growth over the forecast period. According to a 2023 research report in The Lancet, the population of diabetics is expected to more than double from 529 million in 2021 to 1.31 billion by 2050. According to a July 2022 report by the Centers for Disease Prevention and Control (CDC), more than one in every seven people, or 15% of adults or 37 million people in the United States, had CKD in 2021. In addition, Increasing R&D initiatives in emerging countries, combined with the rising prevalence of infectious diseases such as influenza, malaria, HIV, and tuberculosis, has led to the development of revolutionary genomic approaches in developing countries for effective disease diagnosis. Across emerging economies (especially China and India), the government has launched several programs to develop and expand healthcare infrastructure. Throughout the projection period (2023-2030), emerging markets are likely to provide considerable growth potential for clinical microbiology product manufacturers and distributors. However, factors such as complex regulatory requirements and a lack of skilled professionals are stifling the market growth throughout the forecast period 2023-2030.

The key regions considered for the Global Analytical Standards Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to factors such as the growing incidence of infectious diseases in the region, advancements in formulations of modern medications and growing consumer awareness related to product safety and quality control standards. Furthermore, according to the CDC in 2021, homosexual, bisexual, and other men who reported male-to-male sexual contact accounted for 70% (22,400) of the predicted 32,100 new HIV infections and 86% of all sexual male infections.. Asia Pacific is expected to grow significantly over the forecast period. Due to rising food safety and quality standards APAC countries are expanding their investment in analytical standards to assure food safety and solve contamination challenges. Additionally, the region's rising healthcare infrastructure and manufacturing in key regions such as India, China, and Japan is also a key factor in driving the Asia-Pacific market.

Major market player included in this report are:

Restek Corporation

Merck KGaA

Thermo Fisher Scientific Inc.

Waters Corporation

Mallinckrodt Pharmaceuticals

GFS Chemicals Inc.

Chiron AS

Agilent Technologies Inc.

Shanghai Medicilon Inc.

PerkinElmer Inc.

Recent Developments in the Market:

In June 2023, Merck KGaA invested 74 million USD for the expansion of its production facility for highly purified reagents in Nantong, China.

In November 2022, CD Bioparticles has introduced a line of ion exchange chromatography resins with increased loading capacity, ultra-high resolution, and high mechanical strength, ideal for the purification of small molecular weight compounds such as small proteins, nucleic acids, polypeptides, and antibiotics.

In August 2022, Thermo Fisher Scientific has launched a new Raman spectroscopic analyzer for process monitoring in a variety of applications, including biopharmaceutical manufacturing. The Thermo Scientific Ramina Process Analyzer performs non-destructive and continuous analysis with no need for sample preparation. It can yield spectrum data on target analytes in seconds following a rapid system setup and deployment time of roughly 15 minutes.

Global Analytical Standards Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Category, Technique, Methodologies, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Category:

Organic

Inorganic

By Technique:

Chromatography

Spectroscopy

Titrimetry

Physical Property Testing

By Methodologies:

Bioanalytical Testing

Stability Testing

Raw Material Testing

Dissolution Testing

Other Methodologies

By Application:

Food & Beverages Standards

Pharmaceutical and Life Science Standards

Forensic Standards

Veterinary Standards

Petrochemistry Standards

Environmental Standards

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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