

Global Americium-241 Radioactive Source Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Americium-241 Radioactive Source market size was valued at USD 10 million in 2023 and is forecast to a readjusted size of USD 14 million by 2030 with a CAGR of 5.6% during review period.

Americium-241 radioactive source, nuclide symbol ^{241}Am , with a half-life of 432.2a, is an alpha radiator. In addition to three groups of alpha particles, americium-241 radioactive source can release gamma rays and X-rays of certain energy during the decay process. There is no environmental impact problem or minimal environmental impact under normal use or operation conditions. However, the rupture of the sealing source envelope and the uncontrolled radioactive source may also cause some pollution to the environment. In accordance with the 'Measures for the Management of Radioactive Materials', the local department of health, public security and environmental protection should apply for permission, and the special containers should be stored in a safe and reliable place for the use and management of special personnel.

The leading global players of americium-241 radioactive sources include State Atomic Energy Corporation Rosatom (ROSATOM), HTA Co., Ltd., Inc., Eckert & Ziegler Strahlen. The top three global players by revenue account for 100 per cent. Asia-pacific is the world's largest market with a market share of about 42 percent, followed by Europe and North America with about 32 percent and 26 percent, respectively. Americium-241 radioactive sources ^{241}Am are the largest market segment in terms of product type, accounting for 84% of the market share, and fire alarms have the largest share in terms of applications, accounting for about 83%.

The Global Info Research report includes an overview of the development of the

Americium-241 Radioactive Source industry chain, the market status of Fire Alarm (Above 1×10^4 Bq, Above 6×10^8 Bq), Static Elimination Devices (Above 1×10^4 Bq, Above 6×10^8 Bq), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Americium-241 Radioactive Source.

Regionally, the report analyzes the Americium-241 Radioactive Source markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Americium-241 Radioactive Source market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Americium-241 Radioactive Source market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Americium-241 Radioactive Source industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Ci), revenue generated, and market share of different by Type (e.g., Above 1×10^4 Bq, Above 6×10^8 Bq).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Americium-241 Radioactive Source market.

Regional Analysis: The report involves examining the Americium-241 Radioactive Source market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Americium-241 Radioactive Source market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Americium-241 Radioactive Source:

Company Analysis: Report covers individual Americium-241 Radioactive Source manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Americium-241 Radioactive Source. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Fire Alarm, Static Elimination Devices).

Technology Analysis: Report covers specific technologies relevant to Americium-241 Radioactive Source. It assesses the current state, advancements, and potential future developments in Americium-241 Radioactive Source areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Americium-241 Radioactive Source market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Americium-241 Radioactive Source market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Above $1 \times 10^4 \text{Bq}$

Above $6 \times 10^8 \text{Bq}$

Others

Market segment by Application

Fire Alarm

Static Elimination Devices

X-ray Fluorescence Analysis

Moisture Measurement

Others

Major players covered

State Atomic Energy Corporation Rosatom (ROSATOM)

HTA Co., Ltd.

Eckert & Ziegler Strahlen

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Americium-241 Radioactive Source product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Americium-241 Radioactive Source, with price, sales, revenue and global market share of Americium-241 Radioactive Source from 2019 to 2024.

Chapter 3, the Americium-241 Radioactive Source competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Americium-241 Radioactive Source breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Americium-241 Radioactive Source market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Americium-241 Radioactive Source.

Chapter 14 and 15, to describe Americium-241 Radioactive Source sales channel, distributors, customers, research findings and conclusion.

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