

Pharmaceutical Glass Packaging Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025-2034

<https://marketpublishers.com/r/P81388652A8EEN.html>

Date: February 2025

Pages: 190

Price: US\$ 4,850.00 (Single User License)

ID: P81388652A8EEN

Abstracts

The Global Pharmaceutical Glass Packaging Market, valued at USD 21.9 billion in 2024, is projected to expand at a CAGR of 10.1% from 2025 to 2034. The surge in market growth is driven by the increasing demand for pharmaceuticals worldwide, coupled with stringent regulatory requirements ensuring drug safety and integrity. As the pharmaceutical industry seeks highly reliable and contamination-free packaging solutions, glass continues to gain traction due to its superior chemical resistance, durability, and non-reactive properties.

The rising adoption of biologics, vaccines, and injectables is further amplifying the need for specialized glass packaging, particularly Type 1 borosilicate glass, which offers unparalleled protection against chemical interactions and thermal fluctuations. Governments and regulatory bodies are reinforcing compliance with strict packaging standards, making glass the preferred choice for critical drug formulations. The shift toward personalized medicine and cell and gene therapies is also driving manufacturers to develop innovative and sustainable glass packaging solutions that cater to high-value drugs and complex biologics.

With an increasing global focus on sustainability, pharmaceutical companies are investing in eco-friendly and recyclable packaging alternatives. Lightweight glass solutions are gaining momentum as they help reduce transportation costs while maintaining high standards for drug stability and protection. Emerging markets, particularly in Asia-Pacific, are experiencing robust growth in pharmaceutical production, leading to higher adoption rates for glass packaging in both generic and branded drugs. The rise of biosimilars and stringent serialization regulations further necessitate the demand for glass packaging, ensuring product traceability and safety.

The pharmaceutical glass packaging market is primarily categorized by material type, with Type 1 glass dominating the segment. In 2024, this category accounted for USD 9 billion, fueled by the increasing demand for borosilicate glass in the storage of biologics, vaccines, and injectable drugs. Type 1 glass is widely preferred due to its superior chemical resistance, preventing drug contamination and degradation. The implementation of strict regulatory guidelines that mandate the use of borosilicate glass for sensitive formulations continues to accelerate its market demand.

Based on product type, the market includes vials, bottles, syringes, ampoules, and other packaging formats. Bottles lead the segment, generating USD 6.3 billion in 2024, primarily due to the rising prevalence of chronic diseases that drive demand for liquid formulations such as syrups. Many of these formulations require amber-colored glass bottles to protect them from UV exposure, further boosting the demand for specialized pharmaceutical glass packaging. The industry is witnessing a shift toward lightweight glass bottles, which provide cost efficiency in logistics while maintaining recyclability and regulatory compliance.

North America remains a dominant force in the pharmaceutical glass packaging market, with the United States alone generating USD 6.8 billion in 2024. The country's highly advanced pharmaceutical sector, along with increasing production and exports of biologics and vaccines, continues to drive significant demand for high-quality glass packaging. With pharmaceutical manufacturers prioritizing safety, sustainability, and regulatory compliance, the U.S. is set to retain its position as a key contributor to the global market.

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market scope and definitions
- 1.2 Research design
 - 1.2.1 Research approach
 - 1.2.2 Data collection methods
- 1.3 Base estimates and calculations
 - 1.3.1 Base year calculation
 - 1.3.2 Key trends for market estimation
- 1.4 Forecast model
- 1.5 Primary research and validation
 - 1.5.1 Primary sources
 - 1.5.2 Data mining sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Industry impact forces
 - 3.2.1 Growth drivers
 - 3.2.1.1 Stringent regulations on drug safety
 - 3.2.1.2 Aging population and chronic disease
 - 3.2.1.3 Rising global pharmaceutical demand
 - 3.2.1.4 Technological advancement in glass packaging
 - 3.2.1.5 Preference for ready to use packaging
 - 3.2.2 Industry pitfalls and challenges
 - 3.2.2.1 Fragility and breakage risks
 - 3.2.2.2 High cost of glass packaging
- 3.3 Growth potential analysis
- 3.4 Regulatory landscape
- 3.5 Technology landscape
- 3.6 Future market trends
- 3.7 Gap analysis
- 3.8 Porter's analysis

3.9 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive analysis of major market players
- 4.4 Competitive positioning matrix
- 4.5 Strategy dashboard

CHAPTER 5 MARKET ESTIMATES AND FORECAST, BY MATERIAL, 2021 – 2034 (USD BILLION & KILO TONS)

- 5.1 Key trends
- 5.2 Type I
- 5.3 Type II
- 5.4 Type III

CHAPTER 6 MARKET ESTIMATES AND FORECAST, BY PRODUCT, 2021 – 2034 (USD BILLION & KILO TONS)

- 6.1 Key trends
- 6.2 Vials
- 6.3 Bottles
- 6.4 Cartridges & syringes
- 6.5 Ampoules
- 6.6 Others

CHAPTER 7 MARKET ESTIMATES AND FORECAST, BY DRUG TYPE, 2021 – 2034 (USD BILLION & KILO TONS)

- 7.1 Key trends
- 7.2 Injectable drugs
- 7.3 Oral drugs
- 7.4 Topical drugs
- 7.5 Ophthalmic drugs

CHAPTER 8 MARKET ESTIMATES AND FORECAST, BY APPLICATION, 2021 – 2034 (USD BILLION & KILO TONS)

8.1 Key trends

8.2 Generic

8.3 Branded

8.4 Biologic

CHAPTER 9 MARKET ESTIMATES AND FORECAST, BY REGION, 2021 – 2034 (USD BILLION & KILO TONS)

9.1 Key trends

9.2 North America

9.2.1 U.S.

9.2.2 Canada

9.3 Europe

9.3.1 Germany

9.3.2 UK

9.3.3 France

9.3.4 Spain

9.3.5 Italy

9.3.6 Netherlands

9.4 Asia Pacific

9.4.1 China

9.4.2 India

9.4.3 Japan

9.4.4 Australia

9.4.5 South Korea

9.5 Latin America

9.5.1 Brazil

9.5.2 Mexico

9.5.3 Argentina

9.6 Middle East and Africa

9.6.1 Saudi Arabia

9.6.2 South Africa

9.6.3 UAE

CHAPTER 10 COMPANY PROFILES

10.1 Arab Pharmaceutical Glass

10.2 Ardagh Group

- 10.3 Beatson Clark
- 10.4 Corning
- 10.5 DWK Life Sciences
- 10.6 Gerresheimer
- 10.7 Glassco
- 10.8 Nipro
- 10.9 PGP Glass
- 10.10 Schott
- 10.11 SGD
- 10.12 Shandong Medicinal Glass
- 10.13 Stevanato Group
- 10.14 Stoelzle Oberglas
- 10.15 United Glass Company
- 10.16 West Pharmaceutical Services

I would like to order

Product name: Pharmaceutical Glass Packaging Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025-2034

Product link: <https://marketpublishers.com/r/P81388652A8EEN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P81388652A8EEN.html>