

# Pharmaceutical Glass Packaging Market Size, Share & Trends Analysis Report By Product (Vials, Bottles, Cartridges & Syringes, Ampoules), By Drug Type (Generic, Branded, Biologic), By Region, And Segment Forecasts, 2023 - 2030

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## Abstracts

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### Pharmaceutical Glass Packaging Market Growth & Trends

The global pharmaceutical glass packaging market size is expected to reach USD 37.6 Billion by 2030 and is expected to expand at 9.6% CAGR from 2023 to 2030, according to a new study by Grand View Research, Inc. The factors expected to drive the growth are the high recyclability of the glass, chemical inertness, increasing developments in the pharmaceutical industry, and the growing demand for vials for COVID vaccines.

The pharmaceutical industry is witnessing a significant transition and over the past few years, the focus on the development of pharmaceutical drugs has grown significantly. The growing research environment in emerging economies such as India, China, and Brazil has led to a gradual migration of economic and research activities from developed markets to these emerging markets. Since 2006, the United Nations Industrial Development Organization has provided advisory services and technical cooperation to develop local pharmaceutical production in developing countries. This promises to boost the pharmaceutical sector in these countries thereby driving the pharmaceutical plastic packaging industry.

However, the pharmaceutical glass packaging industry is expected to witness some challenges in the forthcoming years since glass is an expensive raw material. Plastic

bottles are being used for pharma packaging which is made of lightweight, clear, and durable plastic belonging to the polyester family. Furthermore, developments are being carried out to develop material that overcomes the shortcomings of glass and plastic which can negatively impact the pharmaceutical glass packaging industry. For instance, in May 2022, Mitsubishi Gas Chemical Company, Inc. and BD (Becton, Dickinson and Company) agreed to develop Oxycapt, a multilayer material integrating features of plastic and glass for prefilled syringes.

Pharmaceutical-grade silicone-based fluids are being extensively applied on the inner surface of glass vials and ampoules to allow the draining of vaccines from the glass packaging products and maintain the efficacy and safety of Active Pharmaceutical Ingredients (APIs). In January 2022, West Pharmaceutical Services, Inc. entered into a technology and supply agreement with Corning Incorporated to expand Valor Glass technology for developing advanced injectable drug packaging and delivery systems.

### Pharmaceutical Glass Packaging Market Report Highlights

The generic drug type segment is projected to grow at a CAGR of 10.5% over the forecast period in terms of revenue. The main factor contributing to their market growth is pricing and often the shortage of an established pharmaceutical product in the market. Most generic medicines tend to cost less than their brand-name counterparts and provide effective results similar to their brand-name counterparts

Atmospheric emissions are caused by the melting of raw materials and combustion of natural gas in glass production. The negative environmental impact is expected to drive pharmaceutical glass manufacturers to develop sustainable glass production processes. For instance, in November 2021, Bormioli Pharma S.p.A. inked a 10-year agreement with Glass Futures to jointly carry out research and development of new low-emission technologies for glass production

Glass delamination has been a major concern for pharmaceutical companies. It includes the appearance of glass lamellae or visible flakes which can lead to an increased number of recalls and health risks. The development of glass vials by reducing the alkali content reduces the chances of delamination and breakage. Furthermore, pharmaceutical glass packaging is manufactured by molded processes offering greater design flexibility and high mechanical resistance which reduces the breakage risk

In May 2021, Nipro Europe Group Companies acquired Piramida, a Croatian pharmaceutical glass packaging manufacturer to strengthen its presence in Central Europe

Companies in the pharmaceutical glass packaging industry are trying to increase their production capacity to cater to the growing pharmaceutical requirement. In October 2022, SCHOTT Group announced that it began construction of a new pre-fillable glass syringe (PFS) production facility in Luk?csh?za, Hungary

## Contents

### CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Information Procurement
  - 1.1.1 Purchased Database
  - 1.1.2 GVR's Internal Database
  - 1.1.3 Secondary Sources
  - 1.1.4 Third-Party Perspective
  - 1.1.5 Primary Research
- 1.2 Information Analysis & Data Analysis Models
- 1.3 List of Data Sources

### CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Insights
- 2.2 Market Insights
- 2.3 Segmental Market Insights
- 2.4 Competitive Insights

### CHAPTER 3 PHARMACEUTICAL GLASS PACKAGING MARKET VARIABLES, TRENDS & SCOPE

- 3.1 Market Lineage Outlook
  - 3.1.1 Parent Market Outlook: Glass Packaging Market
  - 3.1.2 Related Market Outlook: Pharmaceutical Packaging Market
- 3.2 Penetration & Growth Prospect Mapping
- 3.3 Value Chain Analysis
  - 3.3.1 Raw Material Trends
  - 3.3.2 Major Raw Materials Analysis
    - 3.3.2.1 Type 1 - Borosilicate Glass
    - 3.3.2.2 Boric Oxide
    - 3.3.2.3 Type II Treated Soda Lime
    - 3.3.2.4 Type III Regular Soda Lime
  - 3.3.3 Procurement Best Practices
  - 3.3.4 Manufacturing Trends
  - 3.3.5 Technology Trends
  - 3.3.6 Sales Channel Analysis
- 3.4 Technology Timeline

### 3.5 Regulatory Framework

3.5.1 International Organization for Standardization

3.5.2 Occupational Hazard and Safety Management Certification

3.5.3 U.S. Food and Drug Administration

### 3.6 Market Dynamics

3.6.1 Market Driver Analysis

3.6.1.1 Growth of the Pharmaceutical Industry in Emerging Economies

3.6.1.2 Commodity Value of Glass Increased with Recyclability

3.6.2 Market Restraints Analysis

3.6.2.1 Increased Relevance of Alternate Source

3.6.2.2 Challenges Associated with Glass Surface

3.6.3 Industry Challenges

### 3.7 Business Environment Analysis: Pharmaceutical Glass Packaging Market

3.7.1 Porter's Analysis

3.7.1.1 Threat of New Entrants

3.7.1.2 Bargaining Power of Suppliers

3.7.1.3 Bargaining Power of Buyers

3.7.1.4 Threat of Substitutes

3.7.1.5 Competitive Rivalry

3.7.2 PESTEL Analysis

3.7.2.1 Political

3.7.2.2 Environment

3.7.2.3 Social

3.7.2.4 Technological

3.7.2.5 Economic

3.7.2.6 Legal

3.7.3 Major Deals & Strategic Alliances Analysis

3.7.3.1 Joint Ventures

3.7.3.2 Mergers & Acquisition

3.7.3.3 New Product Launches & Capacity Expansion

### 3.8 Market Strategies

3.8.1 Covid-19 Impact

## **CHAPTER 4 PHARMACEUTICAL GLASS PACKAGING MARKET: PRODUCT ESTIMATES & TREND ANALYSIS**

4.1 Definitions & Scope

4.2 Region Movement Analysis & Market Share, 2022 & 2030

4.3 Vials

4.3.1 Pharmaceutical Glass Packaging Market Estimates and forecasts, By Vials, 2018 - 2030 (USD Million) (Million Units)

4.3.1.1 Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

4.4 Bottles

4.4.1 Pharmaceutical Glass Packaging Market Estimates and forecasts, By Bottles, 2018 - 2030 (USD Million) (Million Units)

4.4.1.1 Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

4.5 Cartridges & Syringes

4.5.1 Pharmaceutical Glass Packaging Market Estimates and forecasts, By Cartridges & Syringes, 2018 - 2030 (USD Million) (Million Units)

4.6 Ampoules

4.6.1 Pharmaceutical Glass Packaging Market Estimates and forecasts, By Ampoules, 2018 - 2030 (USD Million) (Million Units)

## **CHAPTER 5 PHARMACEUTICAL GLASS PACKAGING MARKET: DRUG TYPE ESTIMATES & TREND ANALYSIS**

5.1 Definitions & Scope

5.2 Drug Type Movement Analysis & Market Share, 2022 & 2030

5.3 Generic

5.3.1 Pharmaceutical Glass Packaging Market Estimates and forecasts, for Generic Drugs, 2018 - 2030 (USD Million) (Million Units)

5.4 Branded

5.4.1 Pharmaceutical Glass Packaging Market Estimates and forecasts, for Branded Drugs, 2018 - 2030 (USD Million) (Million Units)

5.5 Biologic

5.5.1 Pharmaceutical Glass Packaging Market Estimates and forecasts, for Biologic Drugs, 2018 - 2030 (USD Million) (Million Units)

## **CHAPTER 6 PHARMACEUTICAL GLASS PACKAGING MARKET: REGION ESTIMATES & TREND ANALYSIS**

6.1 Region Movement Analysis & Market Share, 2022 & 2030

6.2 North America

6.2.1 North America Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.2.2 North America Pharmaceutical Glass Packaging Market Estimates and forecasts,

By Product, 2018 - 2030 (USD Million) (Million Units)

6.2.2.1 North America Pharmaceutical Glass Vials Market Estimates and forecasts,  
By Product, 2018 - 2030 (USD Million) (Million Units)

6.2.2.2 North America Pharmaceutical Glass Bottles Market Estimates and forecasts,  
By Product, 2018 - 2030 (USD Million) (Million Units)

6.2.3 North America Pharmaceutical Glass Packaging Market Estimates and forecasts,  
By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.2.4 U.S.

6.2.4.1 U.S. Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018  
- 2030 (USD Million) (Million Units)

6.2.4.2 U.S. Pharmaceutical Glass Packaging Market Estimates and forecasts, By  
Product, 2018 - 2030 (USD Million) (Million Units)

6.2.4.2.1 U.S. Pharmaceutical Glass Vials Market Estimates and forecasts, By  
Product, 2018 - 2030 (USD Million) (Million Units)

6.2.4.2.2 U.S. Pharmaceutical Glass Bottles Market Estimates and forecasts, By  
Product, 2018 - 2030 (USD Million) (Million Units)

6.2.4.3 U.S. Pharmaceutical Glass Packaging Market Estimates and forecasts, By  
Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.2.5 Canada

6.2.5.1 Canada Pharmaceutical Glass Packaging Market Estimates and forecasts,  
2018 - 2030 (USD Million) (Million Units)

6.2.5.2 Canada Pharmaceutical Glass Packaging Market Estimates and forecasts, By  
Product, 2018 - 2030 (USD Million) (Million Units)

6.2.5.2.1 Canada Pharmaceutical Glass Vials Market Estimates and forecasts, By  
Product, 2018 - 2030 (USD Million) (Million Units)

6.2.5.2.2 Canada Pharmaceutical Glass Bottles Market Estimates and forecasts, By  
Product, 2018 - 2030 (USD Million) (Million Units)

6.2.5.3 Canada Pharmaceutical Glass Packaging Market Estimates and forecasts, By  
Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.2.6 Mexico

6.2.6.1 Mexico Pharmaceutical Glass Packaging Market Estimates and forecasts,  
2018 - 2030 (USD Million) (Million Units)

6.2.6.2 Mexico Pharmaceutical Glass Packaging Market Estimates and forecasts, By  
Product, 2018 - 2030 (USD Million) (Million Units)

6.2.6.2.1 Mexico Pharmaceutical Glass Vials Market Estimates and forecasts, By  
Product, 2018 - 2030 (USD Million) (Million Units)

6.2.6.2.2 Mexico Pharmaceutical Glass Bottles Market Estimates and forecasts, By  
Product, 2018 - 2030 (USD Million) (Million Units)

6.2.6.3 Mexico Pharmaceutical Glass Packaging Market Estimates and forecasts, By



Drug Type, 2018 - 2030 (USD Million) (Million Units)

### 6.3 Europe

6.3.1 Europe Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.3.2 Europe Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.2.1 Europe Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.2.2 Europe Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.3 Europe Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

### 6.3.4 U.K.

6.3.4.1 U.K. Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.3.4.2 U.K. Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.4.2.1 U.K. Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.4.2.2 U.K. Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.4.3 U.K. Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

### 6.3.5 Germany

6.3.5.1 Germany Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.3.5.2 Germany Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.5.2.1 Germany Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.5.2.2 Germany Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.5.3 Germany Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

### 6.3.6 France

6.3.6.1 France Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.3.6.2 France Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)



6.3.6.2.1 France Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.6.2.2 France Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.6.3 France Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.3.7 Italy

6.3.7.1 Italy Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.3.7.2 Italy Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.7.2.1 Italy Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.7.2.2 Italy Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.7.3 Italy Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.3.8 Spain

6.3.8.1 Spain Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.3.8.2 Spain Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.8.2.1 Spain Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.8.2.2 Spain Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.8.3 Spain Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.3.9 Switzerland

6.3.9.1 Switzerland e Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.3.9.2 Switzerland Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.9.2.1 Switzerland e Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.9.2.2 Switzerland Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.9.3 Switzerland Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

### 6.3.10 Belgium

6.3.10.1 Belgium Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.3.10.2 Belgium Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.10.2.1 Belgium Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.10.2.2 Belgium Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.10.3 Belgium Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

### 6.3.11 Denmark

6.3.11.1 Denmark Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.3.11.2 Denmark Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.11.2.1 Denmark Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.11.2.2 Denmark Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.3.11.3 Denmark Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

### 6.4 Asia Pacific

6.4.1 Asia Pacific Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.4.2 Asia Pacific Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.2.1 Asia Pacific Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.2.2 Asia Pacific Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.3 Asia Pacific Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

### 6.4.4 China

6.4.4.1 China Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.4.4.2 China Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.4.2.1 China Pharmaceutical Glass Vials Market Estimates and forecasts, By

Product, 2018 - 2030 (USD Million) (Million Units)

6.4.4.2.2 China Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.4.3 China Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.4.5 Japan

6.4.5.1 Japan Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.4.5.2 Japan Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.5.2.1 Japan Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.5.2.2 Japan Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.5.3 Japan Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.4.6 India

6.4.6.1 India Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.4.6.2 India Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.6.2.1 India Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.6.2.2 India Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.6.3 India Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.4.7 South Korea

6.4.7.1 South Korea Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.4.7.2 South Korea Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.7.2.1 South Korea Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.7.2.2 South Korea Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.7.3 South Korea Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.4.8 Australia

6.4.8.1 Australia Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.4.8.2 Australia Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.8.2.1 Australia Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.8.2.2 Australia Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.8.3 Australia Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.4.9 Southeast Asia

6.4.9.1 Southeast Asia Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.4.9.2 Southeast Asia Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.9.2.1 Southeast Asia Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.9.2.2 Southeast Asia Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.4.9.3 Southeast Asia Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.5 Central & South America

6.5.1 Central & South America Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.5.2 Central & South America Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.5.2.1 Central & South America Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.5.2.2 Central & South America Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.5.3 Central & South America Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.5.4 Brazil

6.5.4.1 Brazil Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.5.4.2 Brazil Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.5.4.2.1 Brazil Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.5.4.2.2 Brazil Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.5.4.3 Brazil Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.5.5 Argentina

6.5.5.1 Argentina Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.5.5.2 Argentina Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.5.5.2.1 Argentina I Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.5.5.2.2 Argentina Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.5.5.3 Argentina Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.6 Middle East & Africa

6.6.1 Middle East & Africa Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.6.2 Middle East & Africa Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.6.2.1 Middle East & Africa Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.6.2.2 Middle East & Africa Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.6.3 Middle East & Africa Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.6.4 Saudi Arabia

6.6.4.1 Saudi Arabia Pharmaceutical Glass Packaging Market Estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

6.6.4.2 Saudi Arabia Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.6.4.2.1 Saudi Arabia Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.6.4.2.2 Saudi Arabia Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.6.4.3 Saudi Arabia Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

6.6.5 United Arab Emirates

6.6.5.1 United Arab Emirates Pharmaceutical Glass Packaging Market Estimates and



forecasts, 2018 - 2030 (USD Million) (Million Units)

6.6.5.2 United Arab Emirates Pharmaceutical Glass Packaging Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.6.5.2.1 United Arab Emirates Pharmaceutical Glass Vials Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.6.5.2.2 United Arab Emirates Pharmaceutical Glass Bottles Market Estimates and forecasts, By Product, 2018 - 2030 (USD Million) (Million Units)

6.6.5.3 United Arab Emirates Pharmaceutical Glass Packaging Market Estimates and forecasts, By Drug Type, 2018 - 2030 (USD Million) (Million Units)

## **CHAPTER 7 COMPETITIVE ANALYSIS**

7.1 Key Global Players & Recent Developments & Their Impact on The Industry

7.2 Key Innovators, Market Leaders, and Emerging Players

7.4 Public Companies

7.4.1 Company Market Position Analysis

7.4.2 Company Ranking

7.4.3 Competitive Dashboard Analysis

7.4.3.1 Market Differentiators

7.4.3.2 Synergy Analysis: Major Deals & Strategic Alliances

7.4.4 Swot Analysis of Public Companies

7.5 Private Companies

7.5.1 Key Emerging Companies/Technology Disruptors/Innovators

7.5.2 Geographic Presence

7.5.3 Company Market Position Analysis

## **CHAPTER 8 COMPANY PROFILES**

8.1 Corning Incorporated

8.1.1 Company Overview

8.1.2 Financial Performance

8.1.3 Product Benchmarking

8.1.4 Strategic Initiatives

8.2 Nipro Corporation

8.2.1 Company Overview

8.2.2 Financial Performance

8.2.3 Product Benchmarking

8.2.4 Strategic Initiatives

8.3 SGD S.A.

- 8.3.1 Company Overview
- 8.3.2 Product Benchmarking
- 8.3.3 Strategic Initiatives
- 8.4 St?lzle-Oberglas GmbH
  - 8.4.1 Company Overview
  - 8.4.2 Product Benchmarking
  - 8.4.3 Strategic Initiatives
- 8.5 West Pharmaceutical Services, Inc.
  - 8.5.1 Company Overview
  - 8.5.2 Financial Performance
  - 8.5.3 Product Benchmarking
  - 8.5.4 Strategic Initiatives
- 8.6 Schott AG
  - 8.6.1 Company Overview
  - 8.6.2 Financial Performance
  - 8.6.3 Product Benchmarking
  - 8.6.4 Strategic Initiatives
- 8.7 Gerresheimer AG
  - 8.7.1 Company Overview
  - 8.7.2 Financial Performance
  - 8.7.3 Product Benchmarking
  - 8.7.4 Strategic Initiatives
- 8.8 Bormioli Pharma S.r.l
  - 8.8.1 Company Overview
  - 8.8.2 Product Benchmarking
  - 8.8.3 Strategic Initiatives
- 8.9 Shandong Medicinal Glass Co., Ltd.
  - 8.9.1 Company Overview
  - 8.9.2 Product Benchmarking
- 8.10 Beatson Clark
  - 8.10.1 Company Overview
  - 8.10.2 Financial Performance
  - 8.10.3 Product Benchmarking
  - 8.10.4 Strategic Initiatives
- 8.11 Ardagh Group S.A.
  - 8.11.1 Company Overview
  - 8.11.2 Financial Performance
  - 8.11.3 Product Benchmarking
- 8.12 Arab Pharmaceutical Glass Co.



- 8.12.1 Company Overview
- 8.12.2 Product Benchmarking
- 8.13 Piramal Enterprises Ltd.
  - 8.13.1 Company Overview
  - 8.13.2 Financial Performance
  - 8.13.3 Product Benchmarking
  - 8.13.4 Strategic Initiatives
- 8.14 ?i?ecam Group
  - 8.14.1 Company Overview
  - 8.14.2 Financial Performance
  - 8.14.3 Product Benchmarking
  - 8.14.4 Strategic Initiatives
- 8.15 Owens-Illinois, Inc.
  - 8.15.1 Company Overview
  - 8.15.2 Financial Performance
  - 8.15.3 Product Benchmarking
  - 8.15.4 Strategic Initiatives

## **CHAPTER 9 RAW MATERIAL PORTFOLIO ANALYSIS**

- 9.1 Vendor Landscape
  - 9.1.1 List of Key Distributors & Channel Partners
- 9.2 Supply Risk & Profitability Correlation
- 9.3 Raw Material Supplier Ecosystem
- 9.4 Sourcing Best Practices

## List Of Tables

### LIST OF TABLES

Table 1 Pharmaceutical glass packaging market estimates and forecasts, by vials, 2018 - 2030 (USD Million) (Million Units)

Table 2 Pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 3 Pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 4 Pharmaceutical glass packaging market estimates and forecasts, by bottles, 2018 - 2030 (USD Million) (Million Units)

Table 5 Pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 6 Pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 7 Pharmaceutical glass packaging market estimates and forecasts, by cartridges & syringes, 2018 - 2030 (USD Million) (Million Units)

Table 8 Pharmaceutical glass packaging market estimates and forecasts, by ampoules, 2018 - 2030 (USD Million) (Million Units)

Table 9 Pharmaceutical glass packaging market estimates and forecasts, for generic drugs, 2018 - 2030 (USD Million) (Million Units)

Table 10 Pharmaceutical glass packaging market estimates and forecasts, for branded drugs, 2018 - 2030 (USD Million) (Million Units)

Table 11 Pharmaceutical glass packaging market estimates and forecasts, for biologic drugs, 2018 - 2030 (USD Million) (Million Units)

Table 12 North America pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 13 North America pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 14 North America pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 15 North America pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 16 North America pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 17 North America pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 18 North America pharmaceutical glass bottles market estimates and forecasts,

by product, 2018 - 2030 (Million Units)

Table 19 North America pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 20 North America pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 21 U.S. pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 22 U.S. pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 23 U.S. pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 24 U.S. pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 25 U.S. pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 26 U.S. pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 27 U.S. pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 28 U.S. pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 29 U.S. pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 30 Canada pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 31 Canada pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 32 Canada pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 33 Canada pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 34 Canada pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 35 Canada pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 36 Canada pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 37 Canada pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 38 Canada pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 39 Mexico pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 40 Mexico pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 41 Mexico pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 42 Mexico pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 43 Mexico pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 44 Mexico pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 45 Mexico pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 46 Mexico pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 47 Mexico pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 48 Europe pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 49 Europe pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 50 Europe pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 51 Europe pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 52 Europe pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 53 Europe pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 54 Europe pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 55 Europe pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 56 Europe pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 57 U.K. pharmaceutical glass packaging market estimates and forecasts, 2018 -

2030 (USD Million) (Million Units)

Table 58 U.K. pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 59 U.K. pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 60 U.K. pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 61 U.K. pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 62 U.K. pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 63 U.K. pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 64 U.K. pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 65 U.K. pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 66 Germany pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 67 Germany pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 68 Germany pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 69 Germany pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 70 Germany pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 71 Germany pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 72 Germany pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 73 Germany pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 74 Germany pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 75 France pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 76 France pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 77 France pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 78 France pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 79 France pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 80 France pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 81 France pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 82 France pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 83 France pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 84 Italy pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 85 Italy pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 86 Italy pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 87 Italy pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 88 Italy pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 89 Italy pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 90 Italy pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 91 Italy pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 92 Italy pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 93 Spain pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 94 Spain pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 95 Spain pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 96 Spain pharmaceutical glass vials market estimates and forecasts, by product,



2018 - 2030 (USD Million)

Table 97 Spain pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 98 Spain pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 99 Spain pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 100 Spain pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 101 Spain pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 102 Switzerland pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 103 Switzerland pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 104 Switzerland pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 105 Switzerland pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 106 Switzerland pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 107 Switzerland pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 108 Switzerland pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 109 Switzerland pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 110 Switzerland pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 111 Belgium pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 112 Belgium pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 113 Belgium pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 114 Belgium pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 115 Belgium pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)



Table 116 Belgium pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 117 Belgium pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 118 Belgium pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 119 Belgium pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 120 Denmark pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 121 Denmark pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 122 Denmark pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 123 Denmark pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 124 Denmark pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 125 Denmark pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 126 Denmark pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 127 Denmark pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 128 Denmark pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 129 Asia Pacific pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 130 Asia Pacific pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 131 Asia Pacific pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 132 Asia Pacific pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 133 Asia Pacific pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 134 Asia Pacific pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 135 Asia Pacific pharmaceutical glass bottles market estimates and forecasts, by

product, 2018 - 2030 (Million Units)

Table 136 Asia Pacific pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 137 Asia Pacific pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 138 China pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 139 China pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 140 China pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 141 China pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 142 China pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 143 China pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 144 China pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 145 China pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 146 China pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 147 Japan pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 148 Japan pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 149 Japan pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 150 Japan pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 151 Japan pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 152 Japan pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 153 Japan pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 154 Japan pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 155 Japan pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 156 India pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 157 India pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 158 India pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 159 India pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 160 India pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 161 India pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 162 India pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 163 India pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 164 India pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 165 South Korea pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 166 South Korea pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 167 South Korea pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 168 South Korea pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 169 South Korea pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 170 South Korea pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 171 South Korea pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 172 South Korea pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 173 South Korea pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 174 Australia pharmaceutical glass packaging market estimates and forecasts,

2018 - 2030 (USD Million) (Million Units)

Table 175 Australia pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 176 Australia pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 177 Australia pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 178 Australia pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 179 Australia pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 180 Australia pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 181 Australia pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 182 Australia pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 183 Southeast Asia pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 184 Southeast Asia pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 185 Southeast Asia pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 186 Southeast Asia pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 187 Southeast Asia pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 188 Southeast Asia pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 189 Southeast Asia pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 190 Southeast Asia pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 191 Southeast Asia pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 192 Central & South America pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 193 Central & South America pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 194 Central & South America pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 195 Central & South America pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 196 Central & South America pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 197 Central & South America pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 198 Central & South America pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 199 Central & South America pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 200 Central & South America pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 201 Brazil pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 202 Brazil pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 203 Brazil pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 204 Brazil pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 205 Brazil pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 206 Brazil pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 207 Brazil pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 208 Brazil pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 209 Brazil pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 210 Argentina pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 211 Argentina pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 212 Argentina pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 213 Argentina pharmaceutical glass vials market estimates and forecasts, by



product, 2018 - 2030 (USD Million)

Table 214 Argentina pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 215 Argentina pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 216 Argentina pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 217 Argentina pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 218 Argentina pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 219 Middle East & Africa pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 220 Middle East & Africa pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 221 Middle East & Africa pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 222 Middle East & Africa pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 223 Middle East & Africa pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 224 Middle East & Africa pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 225 Middle East & Africa pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 226 Middle East & Africa pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 227 Middle East & Africa pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 228 Saudi Arabia pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 229 Saudi Arabia pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 230 Saudi Arabia pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 231 Saudi Arabia pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 232 Saudi Arabia pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 233 Saudi Arabia pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 234 Saudi Arabia pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 235 Saudi Arabia pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 236 Saudi Arabia pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)

Table 237 United Arab Emirates pharmaceutical glass packaging market estimates and forecasts, 2018 - 2030 (USD Million) (Million Units)

Table 238 United Arab Emirates pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 239 United Arab Emirates pharmaceutical glass packaging market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 240 United Arab Emirates pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 241 United Arab Emirates I pharmaceutical glass vials market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 242 United Arab Emirates pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (USD Million)

Table 243 United Arab Emirates pharmaceutical glass bottles market estimates and forecasts, by product, 2018 - 2030 (Million Units)

Table 244 United Arab Emirates pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (USD Million)

Table 245 United Arab Emirates pharmaceutical glass packaging market estimates and forecasts, by drug type, 2018 - 2030 (Million Units)



## List Of Figures

### LIST OF FIGURES

- Fig. 1 Information procurement
- Fig. 2 Primary research pattern
- Fig. 3 Primary research process
- Fig. 4 Primary research approaches
- Fig. 5 Pharmaceutical glass packaging market Regional snapshot
- Fig. 6 Pharmaceutical glass packaging market Segmental snapshot
- Fig. 7 Pharmaceutical glass packaging market Competitive snapshot
- Fig. 8 Pharmaceutical glass packaging market: Penetration & growth prospect mapping
- Fig. 9 Pharmaceutical glass packaging market: Value chain analysis
- Fig. 10 Global boron demand, by application 2019 (%)
- Fig. 11 Sales channel analysis
- Fig. 12 Global pharmaceutical market revenue, by developed and emerging economies, 2016 - 2021 (USD Billion)
- Fig. 13 Global plastic pharmaceutical packaging industry, 2014 - 2025 (USD Billion)
- Fig. 14 Pharmaceutical glass packaging market: Porter's Five forces Analysis
- Fig. 15 Pharmaceutical glass packaging market: Product movement analysis, 2022 & 2030
- Fig. 16 Pharmaceutical glass packaging market: Drug type movement analysis, 2022 & 2030
- Fig. 17 Pharmaceutical glass packaging market: Region movement analysis, 2022 & 2030
- Fig. 18 Pharmaceutical glass packaging market: Company market position analysis
- Fig. 19 Pharmaceutical glass packaging market: Competitive dashboard analysis

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