

# **Brazil Vitamin K2 Market Forecast to 2028 - COVID-19 Impact and Country Analysis by Product (MK-4, MK-7, and Combination Drugs), Dosage Forms (Capsules & Tablets, Powder, and Oils), Source (Natural and Synthetic), and Application (Pharmaceuticals, Nutraceuticals and Food, and Others)**

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## **Abstracts**

The Brazil vitamin K2 market is projected to reach US\$ 9.81 million by 2028 from US\$ 1.59 million in 2022; it is estimated to grow at a CAGR of 35.6% from 2023 to 2028. The growth of the Brazil vitamin K2 market is attributed to the increasing prevalence of CVD and growing cases of osteoporosis bone deformation in adults and newborns. However, a lack of awareness might hamper the growth.

Osteoporosis is an increasingly common health issue affecting adults and babies, a disorder marked by weakening and fragile bones. According to a Research Gate study in 2022, osteoporosis is prevalent in 6–33% of Brazilians. Medical professionals are concerned about the surge in osteoporosis-related bone distortion cases. As per recent studies from Research Gate, the potential advantages of vitamin K2 include supporting bone health and possibly reducing the consequences of osteoporosis.

Vitamin K2 is a lesser-known vitamin K essential for maintaining healthy calcium metabolism and bone density. It stimulates proteins that transfer calcium from the bloodstream into the bones to ensure adequate mineralization and strength. The nutrient aid in avoiding osteoporosis-related bone fractures and deformities by improving calcium absorption. Adult osteoporosis cases frequently result from hormonal changes, age-related bone loss, or inadequate food intake. Vitamin K2 supplementation has demonstrated promising outcomes in enhancing bone mineral density and lowering

fracture risk among adults. In addition, women are the main target for bone health products due to their higher incidence of osteoporosis. The increasing incidence of osteoporosis-related difficulties continues to be a key focus for functional foods and supplements, such as calcium and vitamin D are the primary components supporting bone health. Calcium is the main mineral component of bones, while vitamin helps with calcium absorption changes. However, as consumers are becoming more aware of the benefits of vitamin K2, its availability in foods and supplements is rising. In addition, it has been proposed that vitamin K2 aid in reducing the activity of osteoclast cells, which are responsible for bone deterioration, further protecting bone integrity.

Newborns can develop osteoporosis, especially preterm babies. They are more prone to fractures since their bones are immature and weak. Vitamin K2 improves bone growth and lessens the likelihood of bone abnormalities in the therapy regimens for these infants. Their skeletal development is accelerated by vitamin K2 supplementation, which supports the naturally occurring processes during the early stages of life. Thus, the growing number of adult and neonatal incidences of osteoporosis-related bone abnormalities creates the urgent need for efficient preventative measures and treatment approaches. Hence, vitamin K2 supplementation acts as a potential supplementary therapy that help with calcium metabolism, bone mineralization, and the prevention of fractures. All these factors are driving the Brazil vitamin K2 market growth.

The Brazil vitamin K2 market is segmented on the basis of product, dosage forms, source, and application. Based on product, the Brazil vitamin K2 market is further segmented into MK-4, MK-7, and combination drugs. In 2022, the MK-7 segment held the largest market share of the Brazil vitamin K2 market. Moreover, the same segment is estimated to grow at a significant CAGR of during the forecast period.

Based on dosage forms, the Brazil vitamin K2 market is segmented into capsules and tablets, powder, and oils. In 2022, the powder segment held the larger market share by dosage forms. Moreover, the same segment is estimated to grow at a significant CAGR during the forecast period. Based on source, the market is classified into natural and synthetic. In 2022, the natural segment held the largest share of the market. Further, the same segment is expected to grow at the fastest CAGR during the coming years. Likewise, based on application, the market is segmented into pharmaceuticals, nutraceuticals and food, and others. In 2022, the pharmaceuticals segment held the largest share of the market. However, the nutraceuticals and food segment are estimated to grow at a significant CAGR during the forecast period.

A few of the major primary and secondary sources associated with this report on the

Brazil vitamin K2 market are the Centers for Disease Control and Prevention (CDC), National Health Regulatory Agency (“ANVISA”), Instituto Brasileiro de Geografia e Estatística (IBGE), and International Trade Administration, Brazil.

## Contents

### **1. INTRODUCTION**

- 1.1 Scope of the Study
- 1.2 The Insight Partners Research Report Guidance
- 1.3 Market Segmentation
  - 1.3.1 Brazil Vitamin K2 Market – By Product
  - 1.3.2 Brazil Vitamin K2 Market – By Dosage Forms
  - 1.3.3 Brazil Vitamin K2 Market – By Source
  - 1.3.4 Brazil Vitamin K2 Market – By Application

### **2. BRAZIL VITAMIN K2 MARKET – KEY TAKEAWAYS**

### **3. RESEARCH METHODOLOGY**

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

### **4. BRAZIL VITAMIN K2 MARKET – MARKET LANDSCAPE**

- 4.1 Overview
- 4.2 PEST Analysis
  - 4.2.1 Brazil – PEST Analysis
- 4.3 Expert Opinion

### **5. BRAZIL VITAMIN K2 MARKET – KEY MARKET DYNAMICS**

- 5.1 Market Drivers
  - 5.1.1 Increasing Prevalence of CVD
  - 5.1.2 Growing Cases of Osteoporosis Bone Deformation in Adults and Newborns
- 5.2 Market Restraints
  - 5.2.1 Limited Awareness Regarding Benefits of Vitamin K2
- 5.3 Market Opportunities
  - 5.3.1 Expansion of Distribution Channel
- 5.4 Future Trends
  - 5.4.1 Regulatory Consideration and Standards

## 5.5 Impact Analysis

## **6. BRAZIL VITAMIN K2 MARKET – BRAZIL ANALYSIS**

### 6.1 Brazil Vitamin K2 Market Revenue Forecast and Analysis

### 6.2 Brazil: Vitamin K2 Market, by Company Market Share (%)-2022/Market Positioning Analysis

### 6.3 Vitamin K2 Market, by SKUs (Stock Keeping Units)/Item Number/Product Code of Different Vitamin K2 Brands

## **7. BRAZIL VITAMIN K2 MARKET REVENUE AND FORECASTS TO 2028 – PRODUCT**

### 7.1 Overview

### 7.2 Brazil Vitamin K2 Market Revenue Share, by Product (2022 and 2028)

#### 7.2.1 Brazil: Vitamin K2 Market, by Product, 2020–2028 (US\$ Million)

### 7.3 MK-4

#### 7.3.1 Overview

#### 7.3.2 MK-4: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)

### 7.4 MK-7

#### 7.4.1 Overview

#### 7.4.2 MK-7: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)

### 7.5 Combination Drugs

#### 7.5.1 Overview

#### 7.5.2 Combination Drugs: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)

## **8. BRAZIL VITAMIN K2 MARKET REVENUE AND FORECASTS TO 2028 – DOSAGE FORMS**

### 8.1 Overview

### 8.2 Brazil Vitamin K2 Market Revenue Share, by Dosage Forms (2022 and 2028)

#### 8.2.1 Brazil: Brazil Vitamin K2 Market, by Dosage Forms, 2020–2028 (US\$ Million)

### 8.3 Capsules and Tablets

#### 8.3.1 Overview

#### 8.3.2 Capsules and Tablets: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)

### 8.4 Powder

#### 8.4.1 Overview

8.4.2 Powder: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)

8.5 Oil

8.5.1 Overview

8.5.2 Oil: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)

## **9. BRAZIL VITAMIN K2 MARKET REVENUE AND FORECASTS TO 2028 – SOURCE**

9.1 Overview

9.2 Brazil Vitamin K2 Market Revenue Share, by Source (2022 and 2028)

9.2.1 Brazil: Brazil Vitamin K2 Market, by Source, 2020–2028 (US\$ Million)

9.3 Natural

9.3.1 Overview

9.3.2 Natural: Brazil Vitamin K2s Market– Revenue and Forecast to 2028 (US\$ Million)

9.4 Synthetic

9.4.1 Overview

9.4.2 Synthetic: Brazil Vitamin K2s Market– Revenue and Forecast to 2028 (US\$ Million)

## **10. BRAZIL VITAMIN K2 MARKET REVENUE AND FORECASTS TO 2028 – APPLICATION**

10.1 Overview

10.2 Brazil Vitamin K2 Market Revenue Share, by Application (2022 and 2028)

10.2.1 Brazil: Brazil Vitamin K2 Market, by Application, 2020–2028 (US\$ Million)

10.3 Pharmaceuticals

10.3.1 Overview

10.3.2 Pharmaceuticals: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)

10.4 Nutraceuticals and Food

10.4.1 Overview

10.4.2 Nutraceuticals and Food: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)

10.5 Others

10.5.1 Overview

10.5.2 Others: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)

## **11. IMPACT OF COVID-19 PANDEMIC ON BRAZIL VITAMIN K2 MARKET**

11.1 Brazil: Impact Assessment of COVID-19 Pandemic

## **12. BRAZIL VITAMIN K2 MARKET–INDUSTRY LANDSCAPE**

- 12.1 Overview
- 12.2 Growth Strategies in Brazil Vitamin K2 Market
- 12.3 Organic Growth Strategies
  - 12.3.1 Overview
- 12.4 Inorganic Growth Strategies
  - 12.4.1 Overview

## **13. COMPANY PROFILES**

- 13.1 Lesaffre (Natto Pharma)
  - 13.1.1 Key Facts
  - 13.1.2 Business Description
  - 13.1.3 Products and Services
  - 13.1.4 Financial Overview
  - 13.1.5 SWOT Analysis
  - 13.1.6 Key Developments
- 13.2 DSM (DSM-Firmenich)
  - 13.2.1 Key Facts
  - 13.2.2 Business Description
  - 13.2.3 Products and Services
  - 13.2.4 Financial Overview
  - 13.2.5 SWOT Analysis
  - 13.2.6 Key Developments
- 13.3 PLT Health Solutions Inc
  - 13.3.1 Key Facts
  - 13.3.2 Business Description
  - 13.3.3 Products and Services
  - 13.3.4 Financial Overview
  - 13.3.5 SWOT Analysis
  - 13.3.6 Key Developments
- 13.4 International Flavors & Fragrances Inc
  - 13.4.1 Key Facts
  - 13.4.2 Business Description
  - 13.4.3 Products and Services
  - 13.4.4 Financial Overview
  - 13.4.5 SWOT Analysis

- 13.4.6 Key Developments
- 13.5 BASF SE
  - 13.5.1 Key Facts
  - 13.5.2 Business Description
  - 13.5.3 Products and Services
  - 13.5.4 Financial Overview
  - 13.5.5 SWOT Analysis
  - 13.5.6 Key Developments
- 13.6 AdvaCare Pharma USA LLC
  - 13.6.1 Key Facts
  - 13.6.2 Business Description
  - 13.6.3 Products and Services
  - 13.6.4 Financial Overview
  - 13.6.5 SWOT Analysis
  - 13.6.6 Key Developments
- 13.7 Metabolics Ltd
  - 13.7.1 Key Facts
  - 13.7.2 Business Description
  - 13.7.3 Products and Services
  - 13.7.4 Financial Overview
  - 13.7.5 SWOT Analysis
  - 13.7.6 Key Developments
- 13.8 IAF Network SpA (Yamamoto Nutrition)
  - 13.8.1 Key Facts
  - 13.8.2 Business Description
  - 13.8.3 Products and Services
  - 13.8.4 Financial Overview
  - 13.8.5 SWOT Analysis
  - 13.8.6 Key Developments
- 13.9 Balchem Corp
  - 13.9.1 Key Facts
  - 13.9.2 Business Description
  - 13.9.3 Products and Services
  - 13.9.4 Financial Overview
  - 13.9.5 SWOT Analysis
  - 13.9.6 Key Developments
- 13.10 Biolab Sanus Farmaceutica Ltd
  - 13.10.1 Key Facts
  - 13.10.2 Business Description



13.10.3 Products and Services

13.10.4 Financial Overview

13.10.5 SWOT Analysis

13.10.6 Key Developments

## **14. APPENDIX**

14.1 About The Insight Partners

14.2 Glossary of Terms

## List Of Tables

### LIST OF TABLES

Table 1. Brazil: Vitamin K2 Market, by Company Market Share (%)

Table 2. Vitamin K2 Market, by SKUs (Stock Keeping Units) /Item Number/Product Code of Different Vitamin K2 Brands

Table 3. Brazil: Vitamin K2 Market, by Product – Revenue and Forecast to 2028 (US\$ Million)

Table 4. Brazil: Brazil Vitamin K2 Market, by Dosage Forms – Revenue and Forecast to 2028 (US\$ Million)

Table 5. Brazil: Brazil Vitamin K2 Market, by Source – Revenue and Forecast to 2028 (US\$ Million)

Table 6. Brazil: Brazil Vitamin K2 Market, by Application – Revenue and Forecast to 2028 (US\$ Million)

Table 7. Recent Organic Growth Strategies in Brazil Vitamin K2 Market

Table 8. Recent Inorganic Growth Strategies in the Brazil Vitamin K2 Market

Table 9. Glossary of Terms, Brazil Vitamin K2 Market

## List Of Figures

### LIST OF FIGURES

- Figure 1. Brazil Vitamin K2 Market Segmentation
- Figure 2. Brazil Vitamin K2 Market – By Geography
- Figure 3. Brazil Vitamin K2 Market Overview
- Figure 4. MK-7 Held the Largest Share of Product Segment in the Brazil Vitamin K2 Market
- Figure 5. Brazil Vitamin K2 Market, Industry Landscape
- Figure 6. Brazil PEST Analysis
- Figure 7. Expert Opinion
- Figure 8. Brazil Vitamin K2 Market Impact Analysis of Drivers and Restraints
- Figure 9. Brazil Vitamin K2 Market – Revenue Forecast and Analysis – 2020- 2028
- Figure 10. Brazil Vitamin K2 Market Revenue Share, by Product (2022 and 2028)
- Figure 11. MK-4: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)
- Figure 12. MK-7: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)
- Figure 13. Combination Drugs: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)
- Figure 14. Brazil Vitamin K2 Market Revenue Share, by Dosage Forms (2022 and 2028)
- Figure 15. Capsules and Tablets: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)
- Figure 16. Powder: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)
- Figure 17. Oil: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)
- Figure 18. Brazil Vitamin K2 Market Revenue Share, by Source (2022 and 2028)
- Figure 19. Natural: Brazil Vitamin K2s Market– Revenue and Forecast to 2028 (US\$ Million)
- Figure 20. Synthetic: Brazil Vitamin K2s Market– Revenue and Forecast to 2028 (US\$ Million)
- Figure 21. Brazil Vitamin K2 Market Revenue Share, by Application (2022 and 2028)
- Figure 22. Pharmaceuticals: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)
- Figure 23. Nutraceuticals and Food: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)
- Figure 24. Others: Brazil Vitamin K2 Market– Revenue and Forecast to 2028 (US\$ Million)

Million)

Figure 25. Impact of COVID-19 Pandemic in Brazil Markets

Figure 26. Growth Strategies in Brazil Vitamin K2 Market

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