

# Global Thorium-228 Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/G897AC52FFBCEN.html>

Date: July 2023

Pages: 79

Price: US\$ 3,480.00 (Single User License)

ID: G897AC52FFBCEN

## Abstracts

According to our (Global Info Research) latest study, the global Thorium-228 market size was valued at USD 2 million in 2022 and is forecast to a readjusted size of USD 3 million by 2029 with a CAGR of 6.2% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

This report is a detailed and comprehensive analysis for global Thorium-228 market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Purity and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

### Key Features:

Global Thorium-228 market size and forecasts, in consumption value (\$ Million), sales quantity (M Curie), and average selling prices (US\$/M Curie), 2018-2029

Global Thorium-228 market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (M Curie), and average selling prices (US\$/M Curie), 2018-2029

Global Thorium-228 market size and forecasts, by Purity and by Application, in consumption value (\$ Million), sales quantity (M Curie), and average selling prices (US\$/M Curie), 2018-2029

Global Thorium-228 market shares of main players, shipments in revenue (\$ Million), sales quantity (M Curie), and ASP (US\$/M Curie), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Thorium-228

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Thorium-228 market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NIDC(DOE IP), Smolecule and Alpha Tau. etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

## Market Segmentation

Thorium-228 market is split by Purity and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Purity, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Purity

99.0%-99.5%

?99.5%

### Market segment by Application

Nuclear Medicine

Scientific Research

Others

Major players covered

NIDC(DOE IP)

Smolecule

Alpha Tau

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 Thorium-228 product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Thorium-228, with price, sales, revenue and global market share of Thorium-228 from 2018 to 2023.

Chapter 3, the Thorium-228 competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Thorium-228 breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Purity and application, with sales market share and growth rate by purity, application, from 2018 to 2029.

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 2022. and Thorium-228 market forecast, by regions, purity and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Thorium-228.

Chapter 14 and 15, to describe Thorium-228 sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Thorium-228
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Purity
  - 1.3.1 Overview: Global Thorium-228 Consumption Value by Purity: 2018 Versus 2022 Versus 2029
  - 1.3.2 99.0%-99.5%
  - 1.3.3 >99.5%
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Thorium-228 Consumption Value by Application: 2018 Versus 2022 Versus 2029
  - 1.4.2 Nuclear Medicine
  - 1.4.3 Scientific Research
  - 1.4.4 Others
- 1.5 Global Thorium-228 Market Size & Forecast
  - 1.5.1 Global Thorium-228 Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global Thorium-228 Sales Quantity (2018-2029)
  - 1.5.3 Global Thorium-228 Average Price (2018-2029)

### 2 MANUFACTURERS PROFILES

- 2.1 NIDC(DOE IP)
  - 2.1.1 NIDC(DOE IP) Details
  - 2.1.2 NIDC(DOE IP) Major Business
  - 2.1.3 NIDC(DOE IP) Thorium-228 Product and Services
  - 2.1.4 NIDC(DOE IP) Thorium-228 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.1.5 NIDC(DOE IP) Recent Developments/Updates
- 2.2 Smolecule
  - 2.2.1 Smolecule Details
  - 2.2.2 Smolecule Major Business
  - 2.2.3 Smolecule Thorium-228 Product and Services
  - 2.2.4 Smolecule Thorium-228 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.2.5 Smolecule Recent Developments/Updates
- 2.3 Alpha Tau

- 2.3.1 Alpha Tau Details
- 2.3.2 Alpha Tau Major Business
- 2.3.3 Alpha Tau Thorium-228 Product and Services
- 2.3.4 Alpha Tau Thorium-228 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.3.5 Alpha Tau Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: THORIUM-228 BY MANUFACTURER**

- 3.1 Global Thorium-228 Sales Quantity by Manufacturer (2018-2023)
- 3.2 Global Thorium-228 Revenue by Manufacturer (2018-2023)
- 3.3 Global Thorium-228 Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
  - 3.4.1 Producer Shipments of Thorium-228 by Manufacturer Revenue (\$MM) and Market Share (%): 2022
  - 3.4.2 Top 3 Thorium-228 Manufacturer Market Share in 2022
  - 3.4.2 Top 6 Thorium-228 Manufacturer Market Share in 2022
- 3.5 Thorium-228 Market: Overall Company Footprint Analysis
  - 3.5.1 Thorium-228 Market: Region Footprint
  - 3.5.2 Thorium-228 Market: Company Product Type Footprint
  - 3.5.3 Thorium-228 Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

### **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Thorium-228 Market Size by Region
  - 4.1.1 Global Thorium-228 Sales Quantity by Region (2018-2029)
  - 4.1.2 Global Thorium-228 Consumption Value by Region (2018-2029)
  - 4.1.3 Global Thorium-228 Average Price by Region (2018-2029)
- 4.2 North America Thorium-228 Consumption Value (2018-2029)
- 4.3 Europe Thorium-228 Consumption Value (2018-2029)
- 4.4 Asia-Pacific Thorium-228 Consumption Value (2018-2029)
- 4.5 South America Thorium-228 Consumption Value (2018-2029)
- 4.6 Middle East and Africa Thorium-228 Consumption Value (2018-2029)

### **5 MARKET SEGMENT BY PURITY**

- 5.1 Global Thorium-228 Sales Quantity by Purity (2018-2029)

5.2 Global Thorium-228 Consumption Value by Purity (2018-2029)

5.3 Global Thorium-228 Average Price by Purity (2018-2029)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global Thorium-228 Sales Quantity by Application (2018-2029)

6.2 Global Thorium-228 Consumption Value by Application (2018-2029)

6.3 Global Thorium-228 Average Price by Application (2018-2029)

## **7 NORTH AMERICA**

7.1 North America Thorium-228 Sales Quantity by Purity (2018-2029)

7.2 North America Thorium-228 Sales Quantity by Application (2018-2029)

7.3 North America Thorium-228 Market Size by Country

7.3.1 North America Thorium-228 Sales Quantity by Country (2018-2029)

7.3.2 North America Thorium-228 Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

## **8 EUROPE**

8.1 Europe Thorium-228 Sales Quantity by Purity (2018-2029)

8.2 Europe Thorium-228 Sales Quantity by Application (2018-2029)

8.3 Europe Thorium-228 Market Size by Country

8.3.1 Europe Thorium-228 Sales Quantity by Country (2018-2029)

8.3.2 Europe Thorium-228 Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Thorium-228 Sales Quantity by Purity (2018-2029)

9.2 Asia-Pacific Thorium-228 Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Thorium-228 Market Size by Region

9.3.1 Asia-Pacific Thorium-228 Sales Quantity by Region (2018-2029)

- 9.3.2 Asia-Pacific Thorium-228 Consumption Value by Region (2018-2029)
- 9.3.3 China Market Size and Forecast (2018-2029)
- 9.3.4 Japan Market Size and Forecast (2018-2029)
- 9.3.5 Korea Market Size and Forecast (2018-2029)
- 9.3.6 India Market Size and Forecast (2018-2029)
- 9.3.7 Southeast Asia Market Size and Forecast (2018-2029)
- 9.3.8 Australia Market Size and Forecast (2018-2029)

## **10 SOUTH AMERICA**

- 10.1 South America Thorium-228 Sales Quantity by Purity (2018-2029)
- 10.2 South America Thorium-228 Sales Quantity by Application (2018-2029)
- 10.3 South America Thorium-228 Market Size by Country
  - 10.3.1 South America Thorium-228 Sales Quantity by Country (2018-2029)
  - 10.3.2 South America Thorium-228 Consumption Value by Country (2018-2029)
  - 10.3.3 Brazil Market Size and Forecast (2018-2029)
  - 10.3.4 Argentina Market Size and Forecast (2018-2029)

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Thorium-228 Sales Quantity by Purity (2018-2029)
- 11.2 Middle East & Africa Thorium-228 Sales Quantity by Application (2018-2029)
- 11.3 Middle East & Africa Thorium-228 Market Size by Country
  - 11.3.1 Middle East & Africa Thorium-228 Sales Quantity by Country (2018-2029)
  - 11.3.2 Middle East & Africa Thorium-228 Consumption Value by Country (2018-2029)
  - 11.3.3 Turkey Market Size and Forecast (2018-2029)
  - 11.3.4 Egypt Market Size and Forecast (2018-2029)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)
  - 11.3.6 South Africa Market Size and Forecast (2018-2029)

## **12 MARKET DYNAMICS**

- 12.1 Thorium-228 Market Drivers
- 12.2 Thorium-228 Market Restraints
- 12.3 Thorium-228 Trends Analysis
- 12.4 Porters Five Forces Analysis
  - 12.4.1 Threat of New Entrants
  - 12.4.2 Bargaining Power of Suppliers
  - 12.4.3 Bargaining Power of Buyers



12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

12.5 Influence of COVID-19 and Russia-Ukraine War

12.5.1 Influence of COVID-19

12.5.2 Influence of Russia-Ukraine War

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of Thorium-228 and Key Manufacturers

13.2 Manufacturing Costs Percentage of Thorium-228

13.3 Thorium-228 Production Process

13.4 Thorium-228 Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Thorium-228 Typical Distributors

14.3 Thorium-228 Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Thorium-228 Consumption Value by Purity, (USD Million), 2018 & 2022 & 2029

Table 2. Global Thorium-228 Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. NIDC(DOE IP) Basic Information, Manufacturing Base and Competitors

Table 4. NIDC(DOE IP) Major Business

Table 5. NIDC(DOE IP) Thorium-228 Product and Services

Table 6. NIDC(DOE IP) Thorium-228 Sales Quantity (M Curie), Average Price (US\$/M Curie), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. NIDC(DOE IP) Recent Developments/Updates

Table 8. Smolecule Basic Information, Manufacturing Base and Competitors

Table 9. Smolecule Major Business

Table 10. Smolecule Thorium-228 Product and Services

Table 11. Smolecule Thorium-228 Sales Quantity (M Curie), Average Price (US\$/M Curie), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. Smolecule Recent Developments/Updates

Table 13. Alpha Tau Basic Information, Manufacturing Base and Competitors

Table 14. Alpha Tau Major Business

Table 15. Alpha Tau Thorium-228 Product and Services

Table 16. Alpha Tau Thorium-228 Sales Quantity (M Curie), Average Price (US\$/M Curie), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Alpha Tau Recent Developments/Updates

Table 18. Global Thorium-228 Sales Quantity by Manufacturer (2018-2023) & (M Curie)

Table 19. Global Thorium-228 Revenue by Manufacturer (2018-2023) & (USD Million)

Table 20. Global Thorium-228 Average Price by Manufacturer (2018-2023) & (US\$/M Curie)

Table 21. Market Position of Manufacturers in Thorium-228, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 22. Head Office and Thorium-228 Production Site of Key Manufacturer

Table 23. Thorium-228 Market: Company Product Type Footprint

Table 24. Thorium-228 Market: Company Product Application Footprint

Table 25. Thorium-228 New Market Entrants and Barriers to Market Entry

Table 26. Thorium-228 Mergers, Acquisition, Agreements, and Collaborations

Table 27. Global Thorium-228 Sales Quantity by Region (2018-2023) & (M Curie)

Table 28. Global Thorium-228 Sales Quantity by Region (2024-2029) & (M Curie)

Table 29. Global Thorium-228 Consumption Value by Region (2018-2023) & (USD Million)

Table 30. Global Thorium-228 Consumption Value by Region (2024-2029) & (USD Million)

Table 31. Global Thorium-228 Average Price by Region (2018-2023) & (US\$/M Curie)

Table 32. Global Thorium-228 Average Price by Region (2024-2029) & (US\$/M Curie)

Table 33. Global Thorium-228 Sales Quantity by Purity (2018-2023) & (M Curie)

Table 34. Global Thorium-228 Sales Quantity by Purity (2024-2029) & (M Curie)

Table 35. Global Thorium-228 Consumption Value by Purity (2018-2023) & (USD Million)

Table 36. Global Thorium-228 Consumption Value by Purity (2024-2029) & (USD Million)

Table 37. Global Thorium-228 Average Price by Purity (2018-2023) & (US\$/M Curie)

Table 38. Global Thorium-228 Average Price by Purity (2024-2029) & (US\$/M Curie)

Table 39. Global Thorium-228 Sales Quantity by Application (2018-2023) & (M Curie)

Table 40. Global Thorium-228 Sales Quantity by Application (2024-2029) & (M Curie)

Table 41. Global Thorium-228 Consumption Value by Application (2018-2023) & (USD Million)

Table 42. Global Thorium-228 Consumption Value by Application (2024-2029) & (USD Million)

Table 43. Global Thorium-228 Average Price by Application (2018-2023) & (US\$/M Curie)

Table 44. Global Thorium-228 Average Price by Application (2024-2029) & (US\$/M Curie)

Table 45. North America Thorium-228 Sales Quantity by Purity (2018-2023) & (M Curie)

Table 46. North America Thorium-228 Sales Quantity by Purity (2024-2029) & (M Curie)

Table 47. North America Thorium-228 Sales Quantity by Application (2018-2023) & (M Curie)

Table 48. North America Thorium-228 Sales Quantity by Application (2024-2029) & (M Curie)

Table 49. North America Thorium-228 Sales Quantity by Country (2018-2023) & (M Curie)

Table 50. North America Thorium-228 Sales Quantity by Country (2024-2029) & (M Curie)

Table 51. North America Thorium-228 Consumption Value by Country (2018-2023) & (USD Million)

Table 52. North America Thorium-228 Consumption Value by Country (2024-2029) & (USD Million)

Table 53. Europe Thorium-228 Sales Quantity by Purity (2018-2023) & (M Curie)

Table 54. Europe Thorium-228 Sales Quantity by Purity (2024-2029) & (M Curie)

Table 55. Europe Thorium-228 Sales Quantity by Application (2018-2023) & (M Curie)

Table 56. Europe Thorium-228 Sales Quantity by Application (2024-2029) & (M Curie)

Table 57. Europe Thorium-228 Sales Quantity by Country (2018-2023) & (M Curie)

Table 58. Europe Thorium-228 Sales Quantity by Country (2024-2029) & (M Curie)

Table 59. Europe Thorium-228 Consumption Value by Country (2018-2023) & (USD Million)

Table 60. Europe Thorium-228 Consumption Value by Country (2024-2029) & (USD Million)

Table 61. Asia-Pacific Thorium-228 Sales Quantity by Purity (2018-2023) & (M Curie)

Table 62. Asia-Pacific Thorium-228 Sales Quantity by Purity (2024-2029) & (M Curie)

Table 63. Asia-Pacific Thorium-228 Sales Quantity by Application (2018-2023) & (M Curie)

Table 64. Asia-Pacific Thorium-228 Sales Quantity by Application (2024-2029) & (M Curie)

Table 65. Asia-Pacific Thorium-228 Sales Quantity by Region (2018-2023) & (M Curie)

Table 66. Asia-Pacific Thorium-228 Sales Quantity by Region (2024-2029) & (M Curie)

Table 67. Asia-Pacific Thorium-228 Consumption Value by Region (2018-2023) & (USD Million)

Table 68. Asia-Pacific Thorium-228 Consumption Value by Region (2024-2029) & (USD Million)

Table 69. South America Thorium-228 Sales Quantity by Purity (2018-2023) & (M Curie)

Table 70. South America Thorium-228 Sales Quantity by Purity (2024-2029) & (M Curie)

Table 71. South America Thorium-228 Sales Quantity by Application (2018-2023) & (M Curie)

Table 72. South America Thorium-228 Sales Quantity by Application (2024-2029) & (M Curie)

Table 73. South America Thorium-228 Sales Quantity by Country (2018-2023) & (M Curie)

Table 74. South America Thorium-228 Sales Quantity by Country (2024-2029) & (M Curie)

Table 75. South America Thorium-228 Consumption Value by Country (2018-2023) & (USD Million)

Table 76. South America Thorium-228 Consumption Value by Country (2024-2029) & (USD Million)

Table 77. Middle East & Africa Thorium-228 Sales Quantity by Purity (2018-2023) & (M Curie)

Table 78. Middle East & Africa Thorium-228 Sales Quantity by Purity (2024-2029) & (M Curie)

Table 79. Middle East & Africa Thorium-228 Sales Quantity by Application (2018-2023) & (M Curie)

Table 80. Middle East & Africa Thorium-228 Sales Quantity by Application (2024-2029) & (M Curie)

Table 81. Middle East & Africa Thorium-228 Sales Quantity by Region (2018-2023) & (M Curie)

Table 82. Middle East & Africa Thorium-228 Sales Quantity by Region (2024-2029) & (M Curie)

Table 83. Middle East & Africa Thorium-228 Consumption Value by Region (2018-2023) & (USD Million)

Table 84. Middle East & Africa Thorium-228 Consumption Value by Region (2024-2029) & (USD Million)

Table 85. Thorium-228 Raw Material

Table 86. Key Manufacturers of Thorium-228 Raw Materials

Table 87. Thorium-228 Typical Distributors

Table 88. Thorium-228 Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Thorium-228 Picture

Figure 2. Global Thorium-228 Consumption Value by Purity, (USD Million), 2018 & 2022 & 2029

Figure 3. Global Thorium-228 Consumption Value Market Share by Purity in 2022

Figure 4. 99.0%-99.5% Examples

Figure 5. >99.5% Examples

Figure 6. Global Thorium-228 Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 7. Global Thorium-228 Consumption Value Market Share by Application in 2022

Figure 8. Nuclear Medicine Examples

Figure 9. Scientific Research Examples

Figure 10. Others Examples

Figure 11. Global Thorium-228 Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 12. Global Thorium-228 Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 13. Global Thorium-228 Sales Quantity (2018-2029) & (M Curie)

Figure 14. Global Thorium-228 Average Price (2018-2029) & (US\$/M Curie)

Figure 15. Global Thorium-228 Sales Quantity Market Share by Manufacturer in 2022

Figure 16. Global Thorium-228 Consumption Value Market Share by Manufacturer in 2022

Figure 17. Producer Shipments of Thorium-228 by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 18. Top 3 Thorium-228 Manufacturer (Consumption Value) Market Share in 2022

Figure 19. Top 6 Thorium-228 Manufacturer (Consumption Value) Market Share in 2022

Figure 20. Global Thorium-228 Sales Quantity Market Share by Region (2018-2029)

Figure 21. Global Thorium-228 Consumption Value Market Share by Region (2018-2029)

Figure 22. North America Thorium-228 Consumption Value (2018-2029) & (USD Million)

Figure 23. Europe Thorium-228 Consumption Value (2018-2029) & (USD Million)

Figure 24. Asia-Pacific Thorium-228 Consumption Value (2018-2029) & (USD Million)

Figure 25. South America Thorium-228 Consumption Value (2018-2029) & (USD Million)

Figure 26. Middle East & Africa Thorium-228 Consumption Value (2018-2029) & (USD Million)

Figure 27. Global Thorium-228 Sales Quantity Market Share by Purity (2018-2029)

- Figure 28. Global Thorium-228 Consumption Value Market Share by Purity (2018-2029)
- Figure 29. Global Thorium-228 Average Price by Purity (2018-2029) & (US\$/M Curie)
- Figure 30. Global Thorium-228 Sales Quantity Market Share by Application (2018-2029)
- Figure 31. Global Thorium-228 Consumption Value Market Share by Application (2018-2029)
- Figure 32. Global Thorium-228 Average Price by Application (2018-2029) & (US\$/M Curie)
- Figure 33. North America Thorium-228 Sales Quantity Market Share by Purity (2018-2029)
- Figure 34. North America Thorium-228 Sales Quantity Market Share by Application (2018-2029)
- Figure 35. North America Thorium-228 Sales Quantity Market Share by Country (2018-2029)
- Figure 36. North America Thorium-228 Consumption Value Market Share by Country (2018-2029)
- Figure 37. United States Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 38. Canada Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 39. Mexico Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 40. Europe Thorium-228 Sales Quantity Market Share by Purity (2018-2029)
- Figure 41. Europe Thorium-228 Sales Quantity Market Share by Application (2018-2029)
- Figure 42. Europe Thorium-228 Sales Quantity Market Share by Country (2018-2029)
- Figure 43. Europe Thorium-228 Consumption Value Market Share by Country (2018-2029)
- Figure 44. Germany Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 45. France Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 46. United Kingdom Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 47. Russia Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 48. Italy Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)
- Figure 49. Asia-Pacific Thorium-228 Sales Quantity Market Share by Purity (2018-2029)
- Figure 50. Asia-Pacific Thorium-228 Sales Quantity Market Share by Application

(2018-2029)

Figure 51. Asia-Pacific Thorium-228 Sales Quantity Market Share by Region

(2018-2029)

Figure 52. Asia-Pacific Thorium-228 Consumption Value Market Share by Region

(2018-2029)

Figure 53. China Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 54. Japan Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Korea Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. India Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Southeast Asia Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Australia Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. South America Thorium-228 Sales Quantity Market Share by Purity (2018-2029)

Figure 60. South America Thorium-228 Sales Quantity Market Share by Application (2018-2029)

Figure 61. South America Thorium-228 Sales Quantity Market Share by Country (2018-2029)

Figure 62. South America Thorium-228 Consumption Value Market Share by Country (2018-2029)

Figure 63. Brazil Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 64. Argentina Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 65. Middle East & Africa Thorium-228 Sales Quantity Market Share by Purity (2018-2029)

Figure 66. Middle East & Africa Thorium-228 Sales Quantity Market Share by Application (2018-2029)

Figure 67. Middle East & Africa Thorium-228 Sales Quantity Market Share by Region (2018-2029)

Figure 68. Middle East & Africa Thorium-228 Consumption Value Market Share by Region (2018-2029)

Figure 69. Turkey Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)



Figure 70. Egypt Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Saudi Arabia Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. South Africa Thorium-228 Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. Thorium-228 Market Drivers

Figure 74. Thorium-228 Market Restraints

Figure 75. Thorium-228 Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Thorium-228 in 2022

Figure 78. Manufacturing Process Analysis of Thorium-228

Figure 79. Thorium-228 Industrial Chain

Figure 80. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

## I would like to order

Product name: Global Thorium-228 Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

Product link: <https://marketpublishers.com/r/G897AC52FFBCEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G897AC52FFBCEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

