

Global Cerium-140 Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G329328FD4D5EN.html>

Date: September 2026

Pages: 89

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

ID: G329328FD4D5EN

Abstracts

According to our (Global Info Research) latest study, the global Cerium-140 market size was valued at US\$ million in 2025 and is forecast to a readjusted size of US\$ million by 2032 with a CAGR of %during review period.

In 2025, global production of Cerium-140 was approximately 520 grams, with an average global market price of around \$3,200 per gram. That year, total global production capacity for Cerium-140 reached approximately 800 grams, and the industry's average gross profit margin stood at about 33%. Cerium-140 is a stable isotope of the element cerium, characterized by an atomic number of 58 and a mass number of 140 (comprising 58 protons and 82 neutrons). It accounts for approximately 88.45% of natural cerium, making it the most abundant naturally occurring cerium isotope. With a neutron count of 82—corresponding to a closed nuclear shell structure—cerium-140 holds significant scientific value in the study of nuclear structure, nuclear reactions, and neutron capture.

The upstream segment encompasses the mining and beneficiation of rare-earth resources such as bastnäsite and monazite, as well as processes including rare-earth leaching, separation, and the preparation of high-purity cerium feedstocks. Through processes such as solvent extraction, precipitation, and calcination, natural cerium is converted into high-purity cerium oxide, cerium salts, or metallic cerium to serve as feed material for isotope separation. This stage also involves the provision of electromagnetic isotope separation equipment, ion sources, high-vacuum systems, collectors, mass spectrometry detection systems, and high-purity chemical reagents. Although the natural abundance of cerium-140 is nearly 90%—making it easier to enrich than cerium-136 or cerium-138—achieving an abundance exceeding 99% still requires specialized isotope separation and purification capabilities. The midstream segment

primarily covers isotope enrichment, chemical conversion, purification, abundance verification, and target fabrication. Since different cerium isotopes share nearly identical chemical properties, conventional chemical methods are ineffective for separation; consequently, physical methods such as electromagnetic isotope separation are typically employed, followed by the conversion of enriched material into forms such as cerium-140 oxide, metallic cerium-140, salts, or solutions. Midstream enterprises may also fabricate specialized targets, including pressed targets, self-supporting targets, deposited targets, and thin-film targets. The downstream segment focuses on applications such as nuclear physics experiments, neutron nuclear data measurement, nuclear structure research, nuclear astrophysics, and isotope analysis. Enriched Cerium-140 can serve as a target material for accelerator and neutron beam experiments to measure cross-sections for neutron capture, scattering, and charged-particle nuclear reactions; it can also be used for the production of Cerium-141 and related tracer studies via the $^{140}\text{Ce}(n, \gamma)^{141}\text{Ce}$ reaction. Additionally, it finds application in mass spectrometry calibration, isotopic composition research, and experiments involving specialized materials.

The primary driver for the development of the Cerium-140 industry stems from research into nuclear structure and nuclear reactions. With 82 neutrons and a closed nuclear shell structure, Cerium-140 is a key subject for studying nuclear energy levels, collective motion, and shell evolution. As the construction of accelerators, research reactors, and neutron science facilities continues, research institutions are increasingly demanding high-abundance Cerium-140 targets—primarily for applications involving neutron capture, scattering, charged-particle reactions, and the measurement of nuclear reaction cross-sections.

The refinement of nuclear data and the production of radionuclides constitute another source of demand. Enriched Cerium-140 can enhance target purity for the $^{140}\text{Ce}(n, \gamma)^{141}\text{Ce}$ reaction, supporting the production of Cerium-141, tracer experiments, and decay data research, as well as studies on neutron capture processes and nucleosynthesis in nuclear astrophysics. These applications typically utilize targets in the form of oxides, metal foils, or pressed pellets ranging from milligram to small-gram quantities; while individual orders are small in scale, they demand high levels of isotopic enrichment, chemical purity, and target uniformity.

Developments on the supply side are driven by the need for secure stable isotope supplies and the modernization of separation facilities. Given that the natural abundance of Cerium-140 is approximately 88.45%, the technical challenge of enriching it to over 99% is relatively lower than that for Cerium-136 or Cerium-138, and it can

often be obtained as a primary co-product during cerium isotope separation processes. Future production strategies will increasingly focus on multi-isotope co-production, inventory reuse, and spent-target recovery to improve raw material utilization, while unit costs will be reduced through advancements in electromagnetic separation, chemical conversion, and impurity detection technologies.

Report Scope

This report is a detailed and comprehensive analysis for global Cerium-140 market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type 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 2025, are provided.

Key Features:

Global Cerium-140 market size and forecasts, in consumption value (\$ Million), sales quantity (Gram), and average selling prices (US\$/g), 2021-2032

Global Cerium-140 market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Gram), and average selling prices (US\$/g), 2021-2032

Global Cerium-140 market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Gram), and average selling prices (US\$/g), 2021-2032

Global Cerium-140 market shares of main players, shipments in revenue (\$ Million), sales quantity (Gram), and ASP (US\$/g), 2021-2026

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 Cerium-140

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 Cerium-140 market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Rosatom, ORNL, CIAE, LANL, Institute for Transuranium Elements, Neonest AB(BuyIsotope), Trace Sciences International, CortecNet, American Elements, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Cerium-140 market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market Segmentation

Market segment by Type

Reactor Irradiation Production

Accelerator Synthesis

Others

Market segment by Isotopic Enrichment

Primary Enrichment (>90%–95%)

High Enrichment (>95%–99%)

Ultra-high Enrichment (>99%)

Market segment by Chemical Form

Cerium-140 Oxide

Cerium-140 Metal

Cerium-140 Salts

Cerium-140 Solution

Market segment by Chemical Purity

3N

4N

5N

Others

Market segment by Application

Nuclear Medicine

Industrial Tracer

Scientific Research

Major players covered

Rosatom

ORNL

CIAE

LANL

Institute for Transuranium Elements

Neonest AB(BuyIsotope)

Trace Sciences International

CortecNet

American Elements

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)

Chapter Outline

Chapter 1, to describe Cerium-140 product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Cerium-140, with price, sales quantity,

revenue, and global market share of Cerium-140 from 2021 to 2026.

Chapter 3, the Cerium-140 competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Cerium-140 breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026. and Cerium-140 market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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

Chapter 13, the key raw materials and key suppliers, and industry chain of Cerium-140.

Chapter 14 and 15, to describe Cerium-140 sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Cerium-140 Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Reactor Irradiation Production

1.3.3 Accelerator Synthesis

1.3.4 Others

1.4 Market Analysis by Isotopic Enrichment

1.4.1 Overview: Global Cerium-140 Consumption Value by Isotopic Enrichment: 2021 Versus 2025 Versus 2032

1.4.2 Primary Enrichment (>90%–95%)

1.4.3 High Enrichment (>95%–99%)

1.4.4 Ultra-high Enrichment (>99%)

1.5 Market Analysis by Chemical Form

1.5.1 Overview: Global Cerium-140 Consumption Value by Chemical Form: 2021 Versus 2025 Versus 2032

1.5.2 Cerium-140 Oxide

1.5.3 Cerium-140 Metal

1.5.4 Cerium-140 Salts

1.5.5 Cerium-140 Solution

1.6 Market Analysis by Chemical Purity

1.6.1 Overview: Global Cerium-140 Consumption Value by Chemical Purity: 2021 Versus 2025 Versus 2032

1.6.2 3N

1.6.3 4N

1.6.4 5N

1.6.5 Others

1.7 Market Analysis by Application

1.7.1 Overview: Global Cerium-140 Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.7.2 Nuclear Medicine

1.7.3 Industrial Tracer

1.7.4 Scientific Research

1.8 Global Cerium-140 Market Size & Forecast

1.8.1 Global Cerium-140 Consumption Value (2021 & 2025 & 2032)

1.8.2 Global Cerium-140 Sales Quantity (2021-2032)

1.8.3 Global Cerium-140 Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Rosatom

2.1.1 Rosatom Details

2.1.2 Rosatom Major Business

2.1.3 Rosatom Cerium-140 Product and Services

2.1.4 Rosatom Cerium-140 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Rosatom Recent Developments/Updates

2.2 ORNL

2.2.1 ORNL Details

2.2.2 ORNL Major Business

2.2.3 ORNL Cerium-140 Product and Services

2.2.4 ORNL Cerium-140 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 ORNL Recent Developments/Updates

2.3 CIAE

2.3.1 CIAE Details

2.3.2 CIAE Major Business

2.3.3 CIAE Cerium-140 Product and Services

2.3.4 CIAE Cerium-140 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 CIAE Recent Developments/Updates

2.4 LANL

2.4.1 LANL Details

2.4.2 LANL Major Business

2.4.3 LANL Cerium-140 Product and Services

2.4.4 LANL Cerium-140 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 LANL Recent Developments/Updates

2.5 Institute for Transuranium Elements

2.5.1 Institute for Transuranium Elements Details

2.5.2 Institute for Transuranium Elements Major Business

2.5.3 Institute for Transuranium Elements Cerium-140 Product and Services

2.5.4 Institute for Transuranium Elements Cerium-140 Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Institute for Transuranium Elements Recent Developments/Updates

2.6 Neonest AB(BuyIsotope)

2.6.1 Neonest AB(BuyIsotope) Details

2.6.2 Neonest AB(BuyIsotope) Major Business

2.6.3 Neonest AB(BuyIsotope) Cerium-140 Product and Services

2.6.4 Neonest AB(BuyIsotope) Cerium-140 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Neonest AB(BuyIsotope) Recent Developments/Updates

2.7 Trace Sciences International

2.7.1 Trace Sciences International Details

2.7.2 Trace Sciences International Major Business

2.7.3 Trace Sciences International Cerium-140 Product and Services

2.7.4 Trace Sciences International Cerium-140 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Trace Sciences International Recent Developments/Updates

2.8 CortecNet

2.8.1 CortecNet Details

2.8.2 CortecNet Major Business

2.8.3 CortecNet Cerium-140 Product and Services

2.8.4 CortecNet Cerium-140 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 CortecNet Recent Developments/Updates

2.9 American Elements

2.9.1 American Elements Details

2.9.2 American Elements Major Business

2.9.3 American Elements Cerium-140 Product and Services

2.9.4 American Elements Cerium-140 Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 American Elements Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: CERIUM-140 BY MANUFACTURER

3.1 Global Cerium-140 Sales Quantity by Manufacturer (2021-2026)

3.2 Global Cerium-140 Revenue by Manufacturer (2021-2026)

3.3 Global Cerium-140 Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Cerium-140 by Manufacturer Revenue (\$MM) and Market Share (%): 2025

- 3.4.2 Top 3 Cerium-140 Manufacturer Market Share in 2025
- 3.4.3 Top 6 Cerium-140 Manufacturer Market Share in 2025
- 3.5 Cerium-140 Market: Overall Company Footprint Analysis
 - 3.5.1 Cerium-140 Market: Region Footprint
 - 3.5.2 Cerium-140 Market: Company Product Type Footprint
 - 3.5.3 Cerium-140 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 Cerium-140 Market Size by Region
 - 4.1.1 Global Cerium-140 Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Cerium-140 Consumption Value by Region (2021-2032)
 - 4.1.3 Global Cerium-140 Average Price by Region (2021-2032)
- 4.2 North America Cerium-140 Consumption Value (2021-2032)
- 4.3 Europe Cerium-140 Consumption Value (2021-2032)
- 4.4 Asia-Pacific Cerium-140 Consumption Value (2021-2032)
- 4.5 South America Cerium-140 Consumption Value (2021-2032)
- 4.6 Middle East & Africa Cerium-140 Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Cerium-140 Sales Quantity by Type (2021-2032)
- 5.2 Global Cerium-140 Consumption Value by Type (2021-2032)
- 5.3 Global Cerium-140 Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Cerium-140 Sales Quantity by Application (2021-2032)
- 6.2 Global Cerium-140 Consumption Value by Application (2021-2032)
- 6.3 Global Cerium-140 Average Price by Application (2021-2032)

7 NORTH AMERICA

- 7.1 North America Cerium-140 Sales Quantity by Type (2021-2032)
- 7.2 North America Cerium-140 Sales Quantity by Application (2021-2032)
- 7.3 North America Cerium-140 Market Size by Country
 - 7.3.1 North America Cerium-140 Sales Quantity by Country (2021-2032)

- 7.3.2 North America Cerium-140 Consumption Value by Country (2021-2032)
- 7.3.3 United States Market Size and Forecast (2021-2032)
- 7.3.4 Canada Market Size and Forecast (2021-2032)
- 7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

- 8.1 Europe Cerium-140 Sales Quantity by Type (2021-2032)
- 8.2 Europe Cerium-140 Sales Quantity by Application (2021-2032)
- 8.3 Europe Cerium-140 Market Size by Country
 - 8.3.1 Europe Cerium-140 Sales Quantity by Country (2021-2032)
 - 8.3.2 Europe Cerium-140 Consumption Value by Country (2021-2032)
 - 8.3.3 Germany Market Size and Forecast (2021-2032)
 - 8.3.4 France Market Size and Forecast (2021-2032)
 - 8.3.5 United Kingdom Market Size and Forecast (2021-2032)
 - 8.3.6 Russia Market Size and Forecast (2021-2032)
 - 8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Cerium-140 Sales Quantity by Type (2021-2032)
- 9.2 Asia-Pacific Cerium-140 Sales Quantity by Application (2021-2032)
- 9.3 Asia-Pacific Cerium-140 Market Size by Region
 - 9.3.1 Asia-Pacific Cerium-140 Sales Quantity by Region (2021-2032)
 - 9.3.2 Asia-Pacific Cerium-140 Consumption Value by Region (2021-2032)
 - 9.3.3 China Market Size and Forecast (2021-2032)
 - 9.3.4 Japan Market Size and Forecast (2021-2032)
 - 9.3.5 South Korea Market Size and Forecast (2021-2032)
 - 9.3.6 India Market Size and Forecast (2021-2032)
 - 9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
 - 9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

- 10.1 South America Cerium-140 Sales Quantity by Type (2021-2032)
- 10.2 South America Cerium-140 Sales Quantity by Application (2021-2032)
- 10.3 South America Cerium-140 Market Size by Country
 - 10.3.1 South America Cerium-140 Sales Quantity by Country (2021-2032)
 - 10.3.2 South America Cerium-140 Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Cerium-140 Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Cerium-140 Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Cerium-140 Market Size by Country

11.3.1 Middle East & Africa Cerium-140 Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Cerium-140 Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Cerium-140 Market Drivers

12.2 Cerium-140 Market Restraints

12.3 Cerium-140 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

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Cerium-140 and Key Manufacturers

13.2 Manufacturing Costs Percentage of Cerium-140

13.3 Cerium-140 Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Cerium-140 Typical Distributors

14.3 Cerium-140 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 Cerium-140 Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Cerium-140 Consumption Value by Isotopic Enrichment, (USD Million), 2021 & 2025 & 2032

Table 3. Global Cerium-140 Consumption Value by Chemical Form, (USD Million), 2021 & 2025 & 2032

Table 4. Global Cerium-140 Consumption Value by Chemical Purity, (USD Million), 2021 & 2025 & 2032

Table 5. Global Cerium-140 Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 6. Rosatom Basic Information, Manufacturing Base and Competitors

Table 7. Rosatom Major Business

Table 8. Rosatom Cerium-140 Product and Services

Table 9. Rosatom Cerium-140 Sales Quantity (Gram), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 10. Rosatom Recent Developments/Updates

Table 11. ORNL Basic Information, Manufacturing Base and Competitors

Table 12. ORNL Major Business

Table 13. ORNL Cerium-140 Product and Services

Table 14. ORNL Cerium-140 Sales Quantity (Gram), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 15. ORNL Recent Developments/Updates

Table 16. CIAE Basic Information, Manufacturing Base and Competitors

Table 17. CIAE Major Business

Table 18. CIAE Cerium-140 Product and Services

Table 19. CIAE Cerium-140 Sales Quantity (Gram), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 20. CIAE Recent Developments/Updates

Table 21. LANL Basic Information, Manufacturing Base and Competitors

Table 22. LANL Major Business

Table 23. LANL Cerium-140 Product and Services

Table 24. LANL Cerium-140 Sales Quantity (Gram), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 25. LANL Recent Developments/Updates

Table 26. Institute for Transuranium Elements Basic Information, Manufacturing Base

and Competitors

Table 27. Institute for Transuranium Elements Major Business

Table 28. Institute for Transuranium Elements Cerium-140 Product and Services

Table 29. Institute for Transuranium Elements Cerium-140 Sales Quantity (Gram), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 30. Institute for Transuranium Elements Recent Developments/Updates

Table 31. Neonest AB(Buylsotope) Basic Information, Manufacturing Base and Competitors

Table 32. Neonest AB(Buylsotope) Major Business

Table 33. Neonest AB(Buylsotope) Cerium-140 Product and Services

Table 34. Neonest AB(Buylsotope) Cerium-140 Sales Quantity (Gram), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 35. Neonest AB(Buylsotope) Recent Developments/Updates

Table 36. Trace Sciences International Basic Information, Manufacturing Base and Competitors

Table 37. Trace Sciences International Major Business

Table 38. Trace Sciences International Cerium-140 Product and Services

Table 39. Trace Sciences International Cerium-140 Sales Quantity (Gram), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 40. Trace Sciences International Recent Developments/Updates

Table 41. CortecNet Basic Information, Manufacturing Base and Competitors

Table 42. CortecNet Major Business

Table 43. CortecNet Cerium-140 Product and Services

Table 44. CortecNet Cerium-140 Sales Quantity (Gram), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 45. CortecNet Recent Developments/Updates

Table 46. American Elements Basic Information, Manufacturing Base and Competitors

Table 47. American Elements Major Business

Table 48. American Elements Cerium-140 Product and Services

Table 49. American Elements Cerium-140 Sales Quantity (Gram), Average Price (US\$/g), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 50. American Elements Recent Developments/Updates

Table 51. Global Cerium-140 Sales Quantity by Manufacturer (2021-2026) & (Gram)

Table 52. Global Cerium-140 Revenue by Manufacturer (2021-2026) & (USD Million)

Table 53. Global Cerium-140 Average Price by Manufacturer (2021-2026) & (US\$/g)

Table 54. Market Position of Manufacturers in Cerium-140, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 55. Head Office and Cerium-140 Production Site of Key Manufacturer

Table 56. Cerium-140 Market: Company Product Type Footprint
Table 57. Cerium-140 Market: Company Product Application Footprint
Table 58. Cerium-140 New Market Entrants and Barriers to Market Entry
Table 59. Cerium-140 Mergers, Acquisition, Agreements, and Collaborations
Table 60. Global Cerium-140 Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR
Table 61. Global Cerium-140 Sales Quantity by Region (2021-2026) & (Gram)
Table 62. Global Cerium-140 Sales Quantity by Region (2027-2032) & (Gram)
Table 63. Global Cerium-140 Consumption Value by Region (2021-2026) & (USD Million)
Table 64. Global Cerium-140 Consumption Value by Region (2027-2032) & (USD Million)
Table 65. Global Cerium-140 Average Price by Region (2021-2026) & (US\$/g)
Table 66. Global Cerium-140 Average Price by Region (2027-2032) & (US\$/g)
Table 67. Global Cerium-140 Sales Quantity by Type (2021-2026) & (Gram)
Table 68. Global Cerium-140 Sales Quantity by Type (2027-2032) & (Gram)
Table 69. Global Cerium-140 Consumption Value by Type (2021-2026) & (USD Million)
Table 70. Global Cerium-140 Consumption Value by Type (2027-2032) & (USD Million)
Table 71. Global Cerium-140 Average Price by Type (2021-2026) & (US\$/g)
Table 72. Global Cerium-140 Average Price by Type (2027-2032) & (US\$/g)
Table 73. Global Cerium-140 Sales Quantity by Application (2021-2026) & (Gram)
Table 74. Global Cerium-140 Sales Quantity by Application (2027-2032) & (Gram)
Table 75. Global Cerium-140 Consumption Value by Application (2021-2026) & (USD Million)
Table 76. Global Cerium-140 Consumption Value by Application (2027-2032) & (USD Million)
Table 77. Global Cerium-140 Average Price by Application (2021-2026) & (US\$/g)
Table 78. Global Cerium-140 Average Price by Application (2027-2032) & (US\$/g)
Table 79. North America Cerium-140 Sales Quantity by Type (2021-2026) & (Gram)
Table 80. North America Cerium-140 Sales Quantity by Type (2027-2032) & (Gram)
Table 81. North America Cerium-140 Sales Quantity by Application (2021-2026) & (Gram)
Table 82. North America Cerium-140 Sales Quantity by Application (2027-2032) & (Gram)
Table 83. North America Cerium-140 Sales Quantity by Country (2021-2026) & (Gram)
Table 84. North America Cerium-140 Sales Quantity by Country (2027-2032) & (Gram)
Table 85. North America Cerium-140 Consumption Value by Country (2021-2026) & (USD Million)
Table 86. North America Cerium-140 Consumption Value by Country (2027-2032) &

(USD Million)

Table 87. Europe Cerium-140 Sales Quantity by Type (2021-2026) & (Gram)

Table 88. Europe Cerium-140 Sales Quantity by Type (2027-2032) & (Gram)

Table 89. Europe Cerium-140 Sales Quantity by Application (2021-2026) & (Gram)

Table 90. Europe Cerium-140 Sales Quantity by Application (2027-2032) & (Gram)

Table 91. Europe Cerium-140 Sales Quantity by Country (2021-2026) & (Gram)

Table 92. Europe Cerium-140 Sales Quantity by Country (2027-2032) & (Gram)

Table 93. Europe Cerium-140 Consumption Value by Country (2021-2026) & (USD Million)

Table 94. Europe Cerium-140 Consumption Value by Country (2027-2032) & (USD Million)

Table 95. Asia-Pacific Cerium-140 Sales Quantity by Type (2021-2026) & (Gram)

Table 96. Asia-Pacific Cerium-140 Sales Quantity by Type (2027-2032) & (Gram)

Table 97. Asia-Pacific Cerium-140 Sales Quantity by Application (2021-2026) & (Gram)

Table 98. Asia-Pacific Cerium-140 Sales Quantity by Application (2027-2032) & (Gram)

Table 99. Asia-Pacific Cerium-140 Sales Quantity by Region (2021-2026) & (Gram)

Table 100. Asia-Pacific Cerium-140 Sales Quantity by Region (2027-2032) & (Gram)

Table 101. Asia-Pacific Cerium-140 Consumption Value by Region (2021-2026) & (USD Million)

Table 102. Asia-Pacific Cerium-140 Consumption Value by Region (2027-2032) & (USD Million)

Table 103. South America Cerium-140 Sales Quantity by Type (2021-2026) & (Gram)

Table 104. South America Cerium-140 Sales Quantity by Type (2027-2032) & (Gram)

Table 105. South America Cerium-140 Sales Quantity by Application (2021-2026) & (Gram)

Table 106. South America Cerium-140 Sales Quantity by Application (2027-2032) & (Gram)

Table 107. South America Cerium-140 Sales Quantity by Country (2021-2026) & (Gram)

Table 108. South America Cerium-140 Sales Quantity by Country (2027-2032) & (Gram)

Table 109. South America Cerium-140 Consumption Value by Country (2021-2026) & (USD Million)

Table 110. South America Cerium-140 Consumption Value by Country (2027-2032) & (USD Million)

Table 111. Middle East & Africa Cerium-140 Sales Quantity by Type (2021-2026) & (Gram)

Table 112. Middle East & Africa Cerium-140 Sales Quantity by Type (2027-2032) & (Gram)

Table 113. Middle East & Africa Cerium-140 Sales Quantity by Application (2021-2026) & (Gram)

Table 114. Middle East & Africa Cerium-140 Sales Quantity by Application (2027-2032) & (Gram)

Table 115. Middle East & Africa Cerium-140 Sales Quantity by Country (2021-2026) & (Gram)

Table 116. Middle East & Africa Cerium-140 Sales Quantity by Country (2027-2032) & (Gram)

Table 117. Middle East & Africa Cerium-140 Consumption Value by Country (2021-2026) & (USD Million)

Table 118. Middle East & Africa Cerium-140 Consumption Value by Country (2027-2032) & (USD Million)

Table 119. Cerium-140 Raw Material

Table 120. Key Manufacturers of Cerium-140 Raw Materials

Table 121. Cerium-140 Typical Distributors

Table 122. Cerium-140 Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Cerium-140 Picture

Figure 2. Global Cerium-140 Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Cerium-140 Revenue Market Share by Type in 2025

Figure 4. Reactor Irradiation Production Examples

Figure 5. Accelerator Synthesis Examples

Figure 6. Others Examples

Figure 7. Global Cerium-140 Revenue by Isotopic Enrichment, (USD Million), 2021 & 2025 & 2032

Figure 8. Global Cerium-140 Revenue Market Share by Isotopic Enrichment in 2025

Figure 9. Primary Enrichment (>90%–95%) Examples

Figure 10. High Enrichment (>95%–99%) Examples

Figure 11. Ultra-high Enrichment (>99%) Examples

Figure 12. Global Cerium-140 Revenue by Chemical Form, (USD Million), 2021 & 2025 & 2032

Figure 13. Global Cerium-140 Revenue Market Share by Chemical Form in 2025

Figure 14. Cerium-140 Oxide Examples

Figure 15. Cerium-140 Metal Examples

Figure 16. Cerium-140 Salts Examples

Figure 17. Cerium-140 Solution Examples

Figure 18. Global Cerium-140 Revenue by Chemical Purity, (USD Million), 2021 & 2025 & 2032

Figure 19. Global Cerium-140 Revenue Market Share by Chemical Purity in 2025

Figure 20. 3N Examples

Figure 21. 4N Examples

Figure 22. 5N Examples

Figure 23. Others Examples

Figure 24. Global Cerium-140 Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 25. Global Cerium-140 Revenue Market Share by Application in 2025

Figure 26. Nuclear Medicine Examples

Figure 27. Industrial Tracer Examples

Figure 28. Scientific Research Examples

Figure 29. Global Cerium-140 Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 30. Global Cerium-140 Consumption Value and Forecast (2021-2032) & (USD Million)

- Figure 31. Global Cerium-140 Sales Quantity (2021-2032) & (Gram)
- Figure 32. Global Cerium-140 Price (2021-2032) & (US\$/g)
- Figure 33. Global Cerium-140 Sales Quantity Market Share by Manufacturer in 2025
- Figure 34. Global Cerium-140 Revenue Market Share by Manufacturer in 2025
- Figure 35. Producer Shipments of Cerium-140 by Manufacturer Sales (\$MM) and Market Share (%): 2025
- Figure 36. Top 3 Cerium-140 Manufacturer (Revenue) Market Share in 2025
- Figure 37. Top 6 Cerium-140 Manufacturer (Revenue) Market Share in 2025
- Figure 38. Global Cerium-140 Sales Quantity Market Share by Region (2021-2032)
- Figure 39. Global Cerium-140 Consumption Value Market Share by Region (2021-2032)
- Figure 40. North America Cerium-140 Consumption Value (2021-2032) & (USD Million)
- Figure 41. Europe Cerium-140 Consumption Value (2021-2032) & (USD Million)
- Figure 42. Asia-Pacific Cerium-140 Consumption Value (2021-2032) & (USD Million)
- Figure 43. South America Cerium-140 Consumption Value (2021-2032) & (USD Million)
- Figure 44. Middle East & Africa Cerium-140 Consumption Value (2021-2032) & (USD Million)
- Figure 45. Global Cerium-140 Sales Quantity Market Share by Type (2021-2032)
- Figure 46. Global Cerium-140 Consumption Value Market Share by Type (2021-2032)
- Figure 47. Global Cerium-140 Average Price by Type (2021-2032) & (US\$/g)
- Figure 48. Global Cerium-140 Sales Quantity Market Share by Application (2021-2032)
- Figure 49. Global Cerium-140 Revenue Market Share by Application (2021-2032)
- Figure 50. Global Cerium-140 Average Price by Application (2021-2032) & (US\$/g)
- Figure 51. North America Cerium-140 Sales Quantity Market Share by Type (2021-2032)
- Figure 52. North America Cerium-140 Sales Quantity Market Share by Application (2021-2032)
- Figure 53. North America Cerium-140 Sales Quantity Market Share by Country (2021-2032)
- Figure 54. North America Cerium-140 Consumption Value Market Share by Country (2021-2032)
- Figure 55. United States Cerium-140 Consumption Value (2021-2032) & (USD Million)
- Figure 56. Canada Cerium-140 Consumption Value (2021-2032) & (USD Million)
- Figure 57. Mexico Cerium-140 Consumption Value (2021-2032) & (USD Million)
- Figure 58. Europe Cerium-140 Sales Quantity Market Share by Type (2021-2032)
- Figure 59. Europe Cerium-140 Sales Quantity Market Share by Application (2021-2032)
- Figure 60. Europe Cerium-140 Sales Quantity Market Share by Country (2021-2032)
- Figure 61. Europe Cerium-140 Consumption Value Market Share by Country (2021-2032)
- Figure 62. Germany Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 63. France Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 64. United Kingdom Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 65. Russia Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 66. Italy Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 67. Asia-Pacific Cerium-140 Sales Quantity Market Share by Type (2021-2032)

Figure 68. Asia-Pacific Cerium-140 Sales Quantity Market Share by Application (2021-2032)

Figure 69. Asia-Pacific Cerium-140 Sales Quantity Market Share by Region (2021-2032)

Figure 70. Asia-Pacific Cerium-140 Consumption Value Market Share by Region (2021-2032)

Figure 71. China Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 72. Japan Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 73. South Korea Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 74. India Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 75. Southeast Asia Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 76. Australia Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 77. South America Cerium-140 Sales Quantity Market Share by Type (2021-2032)

Figure 78. South America Cerium-140 Sales Quantity Market Share by Application (2021-2032)

Figure 79. South America Cerium-140 Sales Quantity Market Share by Country (2021-2032)

Figure 80. South America Cerium-140 Consumption Value Market Share by Country (2021-2032)

Figure 81. Brazil Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 82. Argentina Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 83. Middle East & Africa Cerium-140 Sales Quantity Market Share by Type (2021-2032)

Figure 84. Middle East & Africa Cerium-140 Sales Quantity Market Share by Application (2021-2032)

Figure 85. Middle East & Africa Cerium-140 Sales Quantity Market Share by Country (2021-2032)

Figure 86. Middle East & Africa Cerium-140 Consumption Value Market Share by Country (2021-2032)

Figure 87. Turkey Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 88. Egypt Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 89. Saudi Arabia Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 90. South Africa Cerium-140 Consumption Value (2021-2032) & (USD Million)

Figure 91. Cerium-140 Market Drivers

Figure 92. Cerium-140 Market Restraints

Figure 93. Cerium-140 Market Trends

Figure 94. Porters Five Forces Analysis

Figure 95. Manufacturing Cost Structure Analysis of Cerium-140 in 2025

Figure 96. Manufacturing Process Analysis of Cerium-140

Figure 97. Cerium-140 Industrial Chain

Figure 98. Sales Channel: Direct to End-User vs Distributors

Figure 99. Direct Channel Pros & Cons

Figure 100. Indirect Channel Pros & Cons

Figure 101. Methodology

Figure 102. Research Process and Data Source

I would like to order

Product name: Global Cerium-140 Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/G329328FD4D5EN.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

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G329328FD4D5EN.html>