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Chelated Trace Minerals Market in Feed Research Report—Forecast till 2032

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Description:

Global Chelated Trace Minerals Market Overview

Chelated Trace Minerals Market Size was valued at USD 3.5 Billion in 2022. The chelated trace minerals market industry is projected to grow from USD 3.76 Billion in 2023 to USD 6.766 Billion by 2032, exhibiting a compound annual growth rate (CAGR) of 7.60% during the forecast period (2023 - 2032). The demand for these trace minerals has increased as people become more aware of the advantages of chelated trace minerals. The need for high-quality animal-based goods has led to a significant increase in the market for chelated feed trace minerals. Additionally, a significant market driver in the market for chelated feed trace elements is the growing knowledge of precision feeding approaches to enhance the quality of meat delivery.

Chelated Trace Minerals Market

Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

Chelated Trace Minerals Market Trends

Rise in demand for meat and meat products is driving the market growth

The need for compound feed has been increasing in the Asia Pacific, North American, and European nations due to the rise in demand for meat and meat products and the importance of diets high in protein among consumers around the world. According to predictions from the Food and Agriculture Organisation (FAO), by 2050, demand for food items would increase by 60%, and that for animal protein will increase by 1.7% year. Additionally, it is predicted that there would be an increase in the production of dairy, aquaculture, and meat products. China, the US, Brazil, Mexico, Spain, India, and Russia are among the top producers of animal feed in the globe. In these nations, there has been an increase in the demand for chicken and red meat, which has helped the chelated trace minerals market CAGR to expand.

A food product's bioavailability is the percentage of nutrients that are absorbed and used by an animal's body. Transport, cellular uptake, and transformation into a physiologically active state are all included in the process of utilization. Livestock farmers have not been able to increase feed conversion efficiency in livestock without giving a higher dosage of mineral supplements because trace elements are difficult for animals' digestive systems to easily absorb. These limits have been placed on the use of trace elements in feed to reduce environmental risks. Though cooperative groups and unorganized livestock producers in developing nations are anticipated to have substantial demand. As a result, producers are working on methods to deliver these inorganic trace elements in organic forms, which would increase their bioavailability and boost cattle output. Copper, zinc, selenium, and chromium are the trace elements that are most frequently discovered in organic form. To significantly change the market demand for mineral supplements, farmers must be made aware of the advantages of organic mineral chelates.

The demand for dietary supplements to meet the body's need for minerals is growing as the vegan diet or veganism becomes more and more popular around the world. The body needs minerals and nutrients to carry out a variety of tasks. It has been discovered that vegan or plant-based diets might lead to a lack of some vital minerals including vitamin B12, vitamin D, iron, etc. A diet free of dairy, meat, and eggs can have a serious negative impact on health. This may make it more likely that you may need dietary supplements to maintain your health. The chelated trace minerals market revenue is expanding due to an increase in consumer spending on health supplements and an increase in health consciousness.

Chelated Trace Minerals Market Segment Insights

Chelated Trace Minerals Type Insights

The chelated trace minerals market segmentation, based on type includes Zinc, Iron, Cobalt, Copper, Chromium and Others. The zinc segment dominated the market. One of the essential components for the creation of insulin, DNA, RNA, and several other enzymatic activities, zinc is one of the eleven trace elements that promote numerous biological functions. Zinc is a trace mineral that helps in immunological response, protein synthesis, hair maintenance, and cell repair and renewal. Chelated zinc is a type of mineral made to help the body absorb zinc more effectively throughout the digestive tract.

February 2021: The business introduced KemTRACE Chromium-OR mineral, a chromium propionate feed additive produced for animals that complies with organic standards. The company's product line will grow with the introduction of the new product.

Chelated Trace Minerals Chelating Agents Insights

The chelated trace minerals market segmentation, based on chelating agents, includes Amino Acid, Polysaccharide Complex, Proteinate and Others. The amino acid category generated the most income. All types of living creatures use amino acids as the fundamental building blocks of proteins. The advantages of utilizing amino acids as chelating agents include lower cost due to greater performance at a lower acid concentration, increased crop yield, long shelf life, and decreased pesticide residue.

Figure 1: Chelated Trace Minerals Market, by Chelating Agents, 2022 & 2032 (USD Billion)

Chelated Trace Minerals Market, by Chelating Agents, 2022 & 2032

Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

Chelated Trace Minerals Application Insights

The chelated trace minerals market segmentation, based on application, includes Animal Feed, Dietary Supplement, Pharmaceutical, Fertilizer and Others. The animal feed category generated the most income. Chelated trace minerals are widely employed in the feeds and diets of many different animals, including cows, dogs, birds, pigs, horses, aqua species, and so on. Trace mineral chelates are employed in animal feed because the inorganic forms of trace minerals have a limited bioavailability, interact with other feed ingredients, produce big, soluble molecules, and are unstable in an animal's digestive system.

Chelated Trace Minerals Regional Insights

By region, the study provides the market insights into North America, Europe, Asia-Pacific and Rest of the World. The North American chelated trace minerals market area will dominate this market. In the various stages of diets used for raising pigs in the US, it is usual practice to provide chelated trace minerals as a supplement. The most prevalent chelated trace mineral found in pig diets is selenium. Heavy metal emissions from animal agriculture are one of the main issues because of their negative effects on the environment. The growing demand for precision trace minerals as an ingredient in animal feed is anticipated to present opportunities for the players engaged in the production of chelated trace minerals for animal feed in the US during the forecast period. Chelated trace minerals are one such option that aids in the optimal delivery and absorption of trace minerals.

Further, the major countries studied in the market report are The US, Canada, German, France, the UK, Italy, Spain, China, Japan, India, Australia, South Korea, and Brazil.

Figure 2: Chelated Trace Minerals Market Share By Region 2022 (USD Billion)

Chelated Trace Minerals Market Share By Region 2022

Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

Europe chelated trace minerals market accounts for the second-largest market share. The EU Agriculture Outlook 2021-31: Consumer Behavior to Influence Mean and Dairy Markets predicts that milk production will reach a volume of 162 million tonnes by 2031 and that per capita consumption of poultry meat will rise to 24.8 kg in 2021, representing an increase of 0.6% over consumption per capita in 2021. The region's market is anticipated to grow as a result of rising production and consumption of dairy products, protein-rich pork meat, and poultry meat, as well as increased use of chelated trace minerals in animal feed to improve animal growth, quality, and productivity. Further, the German chelated trace minerals market held the largest market share, and the UK chelated trace minerals market in the European region

The Asia-Pacific Chelated trace minerals Market is expected to grow at the fastest CAGR from 2023 to 2032. The majority of the region's chelated trace mineral market comes from China. China's Ministry of Agriculture reports that 52.96 million pounds of pork will be produced in China overall in 2021, an increase of 28.8% from the year before. Due to the importance of hog meat in Chinese culture and the country's high levels of consumption, China is now the world's largest producer of pork meat and pig farming. As a result, opportunities for participants in the Asia-Pacific chelated trace minerals market are anticipated to arise over the forecast period due to the rising demand for pork and the switch to chelated trace minerals in livestock feed & nutrition. Moreover, China's chelated trace minerals market held the largest market share, and the Indian chelated trace minerals market was the fastest growing market in the Asia-Pacific region.

Chelated Trace Minerals Key Market Players & Competitive Insights

Leading market players are investing heavily in research and development in order to expand their product lines, which will help the chelated trace minerals market, grow even more. Market participants are also undertaking a variety of strategic activities to expand their footprint, with important market developments including new product launches, contractual agreements, mergers and acquisitions, higher investments, and collaboration with other organizations. To expand and survive in a more competitive and rising market climate, chelated trace minerals industry must offer cost-effective items.

Manufacturing locally to minimize operational costs is one of the key business tactics used by manufacturers in the chelated trace minerals industry to benefit clients and increase the market sector. In recent years, the chelated trace minerals industry has offered some of the most significant advantages to market. Major players in the chelated trace minerals market attempting to increase market demand by investing in research and development operations include BASF (Germany), Nutreco (Netherlands), Titan Biotech (India), DSM NV (Netherlands) Kemin Industries (US), Alltech (US), Glanbia PLC (Ireland), Balchem (US), Innophos (US), and Novus Interantional (US).

Balchem Corp. is a business that creates, produces, and sells specialised performance ingredients and goods. The business provides specialty-packaged chemicals, nutritional products, ethylene oxide (EO), propylene oxide (PO),

choline, and choline derivatives, as well as specialised food and beverage ingredient systems and microencapsulation solutions. For a variety of uses, including baked foods, processed meats, seasoning mixtures, chilled and frozen dough systems, nutritional supplements, and confections, Balchem offers these products. In June 2022, Kappa Bioscience AS was purchased by Balchem Inc. in Norway. With this acquisition, Balchem accelerates its goal to broaden its selection of speciality nutrients based on science while assuming leadership roles in emerging fields. This improves the company's product and customer offerings, as well as its brand recognition.

With its corporate headquarters in St. Charles, Missouri, Novus International, Inc. is an American animal nutrition and health firm. With operations in over 90 nations, Novus is a privately held company owned by Mitsui & Co. and Nippon Soda Co., Ltd. Products offered by Novus include amino acids, organic trace minerals, feed preservatives, and a range of health and nutrition items. Veterinarians, pet owners, and specialists in animal nutrition are some of its clients. In April 2021, the Novus International corporation set its shop in India's southernmost region. The company, which has its headquarters in Bengaluru, wants to increase the scope of its operations throughout South Asia.

Key Companies in the chelated trace minerals market include

- BASF (Germany)
- Nutreco (Netherlands)
- · Titan Biotech (India)
- . DSM NV (Netherlands)
- · Kemin Industries (US)
- Alltech (US)
- · Glanbia PLC (Ireland)
- Balchem (US)
- Innophos (US)
- Novus Interantional (US)

Chelated Trace Minerals Industry Developments

November 2022: The Alltech corporation just launched a new production facility in Vietnam. The brand-new facility will create organic mineral products. The factory will have a production capacity of about 7,000 metric tonnes annually.

August 2022: Balchem Corporation buys Bergstrom Nutrition. The Vancouver, Washington-based company Bergstrom Nutrition is a well-known producer of methylsulfonylmethane (msm), which is based on science. This aids the business in growing both its clientele and geographic reach.

August 2021: To fulfill the rising demand for high-quality protein in the East African region, Nutreco established two joint ventures with two indirect subsidiaries of the Unga Group: Unga Farm Care (EA) Limited in Kenya and Unga Millers (U) Limited in Uganda.

Chelated Trace Minerals Market Segmentation

Chelated Trace Minerals Type Outlook (USD Billion, 2018-2032)

- Zinc
- Iron
- Cobalt
- Copper
- Chromium
- Others

Chelated Trace Minerals Chelating Agent Outlook (USD Billion, 2018-2032)

- Amino Acid
- Polysaccharide Complex
- Proteinate
- Others

Chelated Trace Minerals Application Outlook (USD Billion, 2018-2032)

- Animal Feed
- Dietary Supplement
- Pharmaceutical
- Fertilizer
- Others

Chelated Trace Minerals Regional Outlook (USD Billion, 2018-2032)

- North America
 - US
 - Canada
- Europe
- Germany
- France
- UK
- Italy
- Spain
- Rest of Europe
- Asia-Pacific
 - China
 - Japan
 - India
 - Australia
 - South Korea
 - Australia
- Rest of Asia-Pacific
 - · Rest of the World
 - Middle East
 - Africa
 - Latin America

Table of Content: Conte

GLOBAL CHELATED TRACE MINERALS MARKET RESEARCH REPORT

FORECAST TO 2030

TABLE OF CONTENTS

- 1 EXECUTIVE SUMMARY.. 16
- 1.1 Global Chelated trace minerals market, BY type. 18
- 1.2 Global Chelated trace minerals market, BY chelating agent. 19
- 1.3 Global Chelated trace minerals market, BY Application.. 20
- 1.4 Global Chelated trace minerals market, BY REGION.. 21

- 2 MARKET INTRODUCTION.. 22
- 2.1 SCOPE OF THE STUDY. 22
- 2.2 Research Objective. 22
- 2.3 MARKET STRUCTURE. 23
- 2.4 KEY BUYING CRITERIA.. 23
- 3 Research Methodology. 24
- 4 MARKET DYNAMICS.. 31
- 4.1 INTRODUCTION.. 31
- 4.2 DRIVERS. 32
- 4.2.1 surge in the production of compound feed. 32
- 4.2.2 risinG need for animal protein in the diet of people. 32
- 4.2.3 DRIVERS IMPACT ANALYSIS. 33
- 4.3 Restraint. 34
- 4.3.1 strict regulatory framework regulating the maximum amounts of various minerals that are permitted in feed products, 34
- 4.3.2 RESTRAINTS IMPACT ANALYSIS. 35
- 4.4 opportunity. 35
- 4.4.1 increased bioavailability of trace minerals. 35
- 4.5 Challenges. 36
- 4.5.1 Excessive costs associated with the use of trace minerals as an additive. 36
- 5 MARKET FACTOR ANALYSIS.. 37
- 5.1 VALUE CHAIN ANALYSIS. 37
- 5.1.1 Raw Material Procurement. 38
- 5.1.2 Processing.. 38
- 5.1.3 Packaging.. 38
- 5.2 Supply Chain Analysis. 39
- 5.3 PORTER'S FIVE FORCES MODEL. 40
- 5.3.1 THREAT OF NEW ENTRANTS. 40
- 5.3.2 BARGAINING POWER OF SUPPLIERS. 41
- 5.3.3 BARGAINING POWER OF BUYERS. 41
- 5.3.4 THREAT OF SUBSTITUTES. 41
- 5.3.5 intensity of RIVALRY. 41
- 5.4 impact of the covid-19 outbreak on the CHELATED TRACE MINERALS market. 42
- 5.4.1 IMPACT ON PRODUCTION.. 42
- 5.4.2 IMPACT ON SUPPLY CHAIN.. 42
- 5.4.3 SUPPLY-DEMAND IMBALANCE. 43
- 5.4.4 Impact on pricing.. 43
- 6 GLOBAL CHELATED TRACE MINERALS MARKET, By Type.. 44
- 6.1 OVERVIEW.. 44
- 6.1.1 GLOBAL CHELATED TRACE MINERALS MARKET ESTIMATES & FORECAST, By Type, 2023-2030. 45
- 6.2 Zinc. 46
- 6.2.1 ZINC: MARKET ESTIMATES & FORECAST, BY REGION, 2023–2030. 46
- 6.3 Iron.. 47
- 6.3.1 Iron: MARKET ESTIMATES & FORECAST, BY REGION, 2023-2030. 47
- 6.4 Cobalt. 48
- 6.4.1 Cobalt: MARKET ESTIMATES & FORECAST, BY REGION, 2023–2030. 48
- 6.5 Copper. 49

- 6.5.1 Copper: MARKET ESTIMATES & FORECAST, BY REGION, 2023-2030. 49
- 6.6 Chromium.. 50
- 6.6.1 Chromium: MARKET ESTIMATES & FORECAST, BY REGION, 2023-2030. 50
- 6.7 Others 51
- 6.7.1 Others: MARKET ESTIMATES & FORECAST, BY REGION, 2023-2030. 51
- 7 GLOBAL CHELATED TRACE MINERALS MARKET, By Chelating Agent. 52
- 7.1 OVERVIEW.. 52
- 7.1.1 GLOBAL CHELATED TRACE MINERALS MARKET ESTIMATES & FORECAST, By Chelating Agent, 2023–2030. 53
- 7.2 Amino Acids. 54
- 7.2.1 Amino Acids: MARKET ESTIMATES & FORECAST, BY REGION, 2023-2030. 54
- 7.3 Polysaccharide Complex. 55
- 7.3.1 Polysaccharide Complex: MARKET ESTIMATES & FORECAST, BY REGION, 2023-2030. 55
- 7.4 Proteinate. 56
- 7.4.1 Proteinate: MARKET ESTIMATES & FORECAST, BY REGION, 2023–2030. 56
- 7.5 Others. 57
- 7.5.1 others: MARKET ESTIMATES & FORECAST, BY REGION, 2023-2030. 57
- 8 GLOBAL CHELATED TRACE MINERALS MARKET, By Application.. 58
- 8.1 OVERVIEW.. 58
- 8.1.1 GLOBAL CHELATED TRACE MINERALS MARKET ESTIMATES & FORECAST, By Application, 2023–2030.
- 8.2 Animal Feed. 60
- 8.2.1 Animal Feed: MARKET ESTIMATES & FORECAST, BY REGION, 2023-2030. 60
- 8.3 Dietary Supplement. 61
- 8.3.1 Dietary Supplement: MARKET ESTIMATES & FORECAST, BY REGION, 2023–2030. 61
- 8.4 Pharmaceutical. 62
- 8.4.1 Pharmaceutical: MARKET ESTIMATES & FORECAST, BY REGION, 2023-2030. 62
- 8.5 Fertilizer. 63
- 8.5.1 Fertilizer: MARKET ESTIMATES & FORECAST, BY REGION, 2023–2030. 63
- 8.6 Others. 64
- 8.6.1 Others: MARKET ESTIMATES & FORECAST, BY REGION, 2023-2030. 64
- 9 GLOBAL CHELATED TRACE MINERALS MARKET, BY REGION.. 65
- 9.1 OVERVIEW.. 65
- 9.1.1 GLOBAL CHELATED TRACE MINERALS MARKET ESTIMATES & FORECAST, BY region, 2023-2030. 66
- 9.2 NORTH AMERICA.. 67
- 9.2.1 North america Chelated trace minerals MARKET ESTIMATES & FORECAST, BY country, 2023-2030. 67
- 9.2.2 North america Chelated trace minerals MARKET ESTIMATES & FORECAST, By Type, 2023-2030. 68
- 9.2.3 North america Chelated trace minerals MARKET ESTIMATES & FORECAST, By Chelating Agent, 2023–2030 69
- 9.2.4 North america Chelated trace minerals MARKET ESTIMATES & FORECAST, By Application, 2023-2030 69
- 9.2.5 US. 70
- 9.2.6 canada.. 72
- 9.2.7 mexico.. 74
- 9.3 EUROPE, 76
- 9.3.1 Europe Chelated trace minerals MARKET ESTIMATES & FORECAST, BY country, 2023–2030. 77
- 9.3.2 Europe Chelated trace minerals MARKET ESTIMATES & FORECAST, By Type, 2023–2030. 77
- 9.3.3 Europe Chelated trace minerals MARKET ESTIMATES & FORECAST, By Chelating Agent, 2023–2030. 78
- 9.3.4 Europe Chelated trace minerals MARKET ESTIMATES & FORECAST, By Application, 2023–2030. 79

- 9.3.5 Uk. 79
- 9.3.6 Germany. 81
- 9.3.7 France. 83
- 9.3.8 Spain.. 85
- 9.3.9 Italy. 87
- 9.3.10 Rest of Europe. 89
- 9.4 ASIA-PACIFIC. 92
- 9.4.1 Asia-Pacific Chelated trace minerals MARKET ESTIMATES & FORECAST, BY country, 2023–2030. 93
- 9.4.2 Asia-Pacific Chelated trace minerals MARKET ESTIMATES & FORECAST, By Type, 2023–2030. 93
- 9.4.3 Asia-Pacific Chelated trace minerals MARKET ESTIMATES & FORECAST, By Chelating Agent, 2023-2030 94
- 9.4.4 Asia-Pacific Chelated trace minerals MARKET ESTIMATES & FORECAST, By Application, 2023-2030. 95
- 9.4.5 china.. 95
- 9.4.6 India.. 97
- 9.4.7 Japan.. 99
- 9.4.8 AustRAlia & New Zealand. 101
- 9.4.9 Rest of Asia-Pacific. 103
- 9.5 REST OF THE WORLD. 106
- 9.5.1 Rest of the World Chelated trace minerals MARKET ESTIMATES & FORECAST, BY country, 2023–2030 106
- 9.5.2 Rest of the World Chelated trace minerals MARKET ESTIMATES & FORECAST, By Type, 2023–2030. 107
- 9.5.3 Rest of the World Chelated trace minerals MARKET ESTIMATES & FORECAST, By Chelating Agent, 2023–2030, 108
- 9.5.4 Rest of the World Chelated trace minerals MARKET ESTIMATES & FORECAST, By Application, 2023–2030
- 9.5.5 South America.. 109
- 9.5.6 Middle East. 111
- 9.5.7 Africa.. 113
- 10 Competitive Landscape. 115
- 10.1 Introduction.. 115
- 10.1.1 Market strategy analysis. 115
- 10.2 COMPETITIVE BENCHMARKING.. 116
- 10.2.1 INTRODUCTION.. 116
- 10.2.2 PRODUCT PORTFOLIO.. 116
- 10.2.3 REGIONAL PRESENCE. 117
- 10.2.4 STRATEGIC ALLIANCES. 117
- 10.2.5 INDUSTRY EXPERIENCES. 117
- 10.3 KEY DEVELOPMENTS & GROWTH STRATEGIES. 117
- 10.3.1 acquisition.. 117
- 10.3.2 joint venture. 117
- 10.3.3 NEW PRODUCT LAUNCH.. 118
- 10.3.4 expansion.. 118
- 11 Company Profiles.. 119
- 11.1 BASF SE. 119
- 11.1.1 COMPANY OVERVIEW.. 119
- 11.1.2 FINANCIAL OVERVIEW.. 120
- 11.1.3 PRODUCTS OFFERED. 120
- 11.1.4 KEY DEVELOPMENTS. 120
- 11.1.5 SWOT ANALYSIS. 121
- 11.1.6 KEY STRATEGIES. 121

- 11.2 Nutreco.. 122
- 11.2.1 COMPANY OVERVIEW.. 122
- 11.2.2 FINANCIAL OVERVIEW.. 123
- 11.2.3 PRODUCTS OFFERED. 124
- 11.2.4 KEY DEVELOPMENTS. 124
- 11.2.5 SWOT ANALYSIS. 125
- 11.2.6 KEY STRATEGIES. 125
- 11.3 Titan Biotech Limited. 126
- 11.3.1 COMPANY OVERVIEW.. 126
- 11.3.2 FINANCIAL OVERVIEW.. 127
- 11.3.3 PRODUCTS OFFERED. 127
- 11.3.4 KEY DEVELOPMENTS. 128
- 11.3.5 SWOT ANALYSIS. 128
- 11.3.6 KEY STRATEGIES. 129
- 11.4 DSM N.V. 130
- 11.4.1 COMPANY OVERVIEW.. 130
- 11.4.2 FINANCIAL OVERVIEW.. 131
- 11.4.3 PRODUCTS OFFERED. 131
- 11.4.4 KEY DEVELOPMENTS. 131
- 11.4.5 SWOT ANALYSIS. 132
- 11.4.6 KEY STRATEGIES. 132
- 11.5 Kemin Industries, Inc. 133
- 11.5.1 COMPANY OVERVIEW.. 133
- 11.5.2 FINANCIAL OVERVIEW.. 133
- 11.5.3 PRODUCTS OFFERED. 133
- 11.5.4 KEY DEVELOPMENTS. 134
- 11.5.5 SWOT ANALYSIS. 135
- 11.5.6 KEY STRATEGIES. 135
- 11.6 Alltech.. 136
- 11.6.1 COMPANY OVERVIEW.. 136
- 11.6.2 FINANCIAL OVERVIEW.. 136
- 11.6.3 PRODUCTS OFFERED. 136
- 11.6.4 KEY DEVELOPMENTS. 136
- 11.6.5 KEY STRATEGIES. 136
- 11.7 Glanbia PLC. 138
- 11.7.1 COMPANY VERVIEW.. 138
- 11.7.2 FINANCIAL OVERVIEW.. 138
- 11.7.3 PRODUCTS OFFERED. 139
- 11.7.4 KEY DEVELOPMENTS. 139
- 11.7.5 KEY STRATEGIES. 139
- 11.8 Balchem Corporation.. 140
- 11.8.1 COMPANY OVERVIEW.. 140
- 11.8.2 FINANCIAL OVERVIEW.. 141
- 11.8.3 PRODUCTs OFFERed. 141
- 11.8.4 KEY DEVELOPMENTS. 142
- 11.8.5 KEY STRATEGIES. 142

- 11.9 Innophos. 143
- 11.9.1 COMPANY VERVIEW.. 143
- 11.9.2 FINANCIAL OVERVIEW.. 143
- 11.9.3 PRODUCTS OFFERED. 143
- 11.9.4 KEY DEVELOPMENTS. 143
- 11.9.5 KEY STRATEGIES. 144
- 11.10 Novus International. 145
- 11.10.1 COMPANY VERVIEW.. 145
- 11.10.2 FINANCIAL OVERVIEW.. 145
- 11.10.3 PRODUCTS OFFERED. 145
- 11.10.4 KEY DEVELOPMENTS. 145
- 11.10.5 KEY STRATEGIES, 146

LIST OF TABLES

TABLE 1 GLOBAL CHELATED TRACE MINERALS Market Estimates & Forecast, By Type, 2023–2030 (USD Million) 45

TABLE 2 GLOBAL CHELATED TRACE MINERALS Market volume Estimates & Forecast, By Type, 2023–2030 (Thousand tons) 45

TABLE 3 ZINC: MARKET ESTIMATES & forecast, BY REGION, 2023-2030 (USD Million) 46

TABLE 4 ZINC: MARKET volume ESTIMATES & forecast, BY REGION, 2023-2030 (Thousand tons) 46

TABLE 5 Iron: MARKET ESTIMATES & forecast, BY REGION, 2023-2030 (USD Million) 47

TABLE 6 Iron: MARKET volume ESTIMATES & forecast, BY REGION, 2023-2030 (Thousand tons) 47

TABLE 7 Cobalt: MARKET ESTIMATES & forecast, BY REGION, 2023–2030 (USD Million) 48

TABLE 8 Cobalt: MARKET volume ESTIMATES & forecast, BY REGION, 2023-2030 (Thousand tons) 48

TABLE 9 Copper: MARKET ESTIMATES & forecast, BY REGION, 2023-2030 (USD Million) 49

TABLE 10 Copper: MARKET volume ESTIMATES & forecast, BY REGION, 2023-2030 (Thousand tons) 49

TABLE 11 Chromium: MARKET ESTIMATES & forecast, BY REGION, 2023–2030 (USD Million) 50

TABLE 12 Chromium: MARKET volume ESTIMATES & forecast, BY REGION, 2023-2030 (Thousand tons) 50

TABLE 13 Others: MARKET ESTIMATES & forecast, BY REGION, 2023-2030 (USD Million) 51

TABLE 14 Others: MARKET volume ESTIMATES & forecast, BY REGION, 2023-2030 (Thousand tons) 51

TABLE 15 GLOBAL CHELATED TRACE MINERALS market Estimates & Forecast, By Chelating Agent, 2023–2030 (USD Million) 53

TABLE 16 GLOBAL CHELATED TRACE MINERALS market volume Estimates & Forecast, By Chelating Agent, 2023–2030 (Thousand tons) 53

TABLE 17 Amino Acids Chelated trace minerals: MARKET ESTIMATES & forecast, BY REGION, 2023–2030 (USD Million) 54

TABLE 18 Amino Acids: MARKET volume ESTIMATES & forecast, BY REGION, 2023-2030 (Thousand tons) 54

TABLE 19 Polysaccharide Complex: MARKET ESTIMATES & forecast, BY REGION, 2023-2030 (USD Million) 55

TABLE 20 Polysaccharide Complex: MARKET volume ESTIMATES & forecast, BY REGION, 2023–2030 (Thousand tons) 55

TABLE 21 Proteinate: MARKET ESTIMATES & forecast, BY REGION, 2023-2030 (USD Million) 56

TABLE 22 Proteinate: MARKET volume ESTIMATES & forecast, BY REGION, 2023-2030 (Thousand tons) 56

TABLE 23 others: MARKET ESTIMATES & forecast, BY REGION, 2023-2030 (USD Million) 57

TABLE 24 others: MARKET volume ESTIMATES & forecast, BY REGION, 2023–2030 (Thousand tons) 57

TABLE 25 GLOBAL CHELATED TRACE MINERALS market Estimates & Forecast, By Application, 2023–2030 (USD Million) 59

TABLE 26 GLOBAL CHELATED TRACE MINERALS market Estimates & Forecast, By Application, 2023–2030 (thousand tons) 59

TABLE 27 Animal Feed: MARKET ESTIMATES & forecast, BY REGION, 2023-2030 (USD Million) 60

TABLE 28 animal feed: MARKET volume ESTIMATES & forecast, BY REGION, 2023-2030 (Thousand tons) 60

```
TABLE 29 Dietary Supplement: MARKET ESTIMATES & forecast, BY REGION, 2023-2030 (USD Million) 61
TABLE 30 Dietary Supplement: MARKET volume ESTIMATES & forecast, BY REGION, 2023-2030 (Thousand tons)
TABLE 31 Pharmaceutical: MARKET ESTIMATES & forecast, BY REGION, 2023-2030 (USD Million) 62
TABLE 32 Pharmaceutical: MARKET volume ESTIMATES & forecast, BY REGION, 2023-2030 (Thousand tons) 62
TABLE 33 Fertilizer: MARKET ESTIMATES & forecast, BY REGION, 2023-2030 (USD Million) 63
TABLE 34 fertilizer: MARKET volume ESTIMATES & forecast, BY REGION, 2023-2030 (Thousand tons) 63
TABLE 35 Others: MARKET ESTIMATES & forecast, BY REGION, 2023-2030 (USD Million) 64
TABLE 36 others: MARKET volume ESTIMATES & forecast, BY REGION, 2023-2030 (Thousand tons) 64
TABLE 37 GLOBAL CHELATED TRACE MINERALS MARKET ESTIMATES & forecast, BY REGION, 2023-2030
(USD Million) 66
TABLE 38 GLOBAL CHELATED TRACE MINERALS MARKET volume ESTIMATES & forecast, BY REGION, 2023-
2030 (Thousand tons) 66
TABLE 39 North america: Market ESTIMATES & forecast, BY country, 2023-2030 (USD Million) 67
TABLE 40 North america: Market volume ESTIMATES & forecast, BY country, 2023-2030 (Thousand tons) 68
TABLE 41 North america: Market ESTIMATES, By Type, 2023-2030 (USD Million) 68
TABLE 42 North america: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 68
TABLE 43 North america: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 69
TABLE 44 North america: Market volume ESTIMATES, By Chelating Agent, 2023-2030 (Thousand tons) 69
TABLE 45 North america: Market ESTIMATES, By Application, 2023-2030 (USD Million) 69
TABLE 46 North america: Market ESTIMATES, By Application, 2023-2030 (thousand tons) 70
TABLE 47 US: Market ESTIMATES, By Type, 2023-2030 (USD Million) 70
TABLE 48 US: Market volume ESTIMATES, By Type, 2023–2030 (Thousand tons) 70
TABLE 49 US: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 71
TABLE 50 US: Market volume ESTIMATES, By Chelating Agent, 2023–2030 (Thousand tons) 71
TABLE 51 US: Market ESTIMATES, By Application, 2023-2030 (USD Million) 71
TABLE 52 US: Market ESTIMATES, By Application, 2023–2030 (thousand tons) 71
TABLE 53 CANADA: Market ESTIMATES, By Type, 2023-2030 (USD Million) 72
TABLE 54 CANADA: Market volume ESTIMATES, By Type, 2023–2030 (Thousand tons) 72
TABLE 55 CANADA: Market ESTIMATES, By Chelating Agent, 2023–2030 (USD Million) 72
TABLE 56 CANADA: Market volume ESTIMATES, By Chelating Agent, 2023–2030 (Thousand tons) 73
TABLE 57 CANADA: Market ESTIMATES, By Application, 2023-2030 (USD Million) 73
TABLE 58 CANADA: Market ESTIMATES, By Application, 2023-2030 (thousand tons) 73
TABLE 59 MEXICO: Market ESTIMATES, By Type, 2023-2030 (USD Million) 74
TABLE 60 MEXICO: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 74
TABLE 61 MEXICO: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 74
TABLE 62 MEXICO: Market volume ESTIMATES, By Chelating Agent, 2023-2030 (Thousand tons) 75
TABLE 63 MEXICO: Market ESTIMATES, By Application, 2023-2030 (USD Million) 75
TABLE 64 MEXICO: Market ESTIMATES, By Application, 2023-2030 (thousand tons) 75
TABLE 65 Europe: Market ESTIMATES & forecast, BY country, 2023-2030 (USD Million) 77
TABLE 66 Europe: Market volume ESTIMATES & forecast, BY country, 2023-2030 (Thousand tons) 77
TABLE 67 Europe: Market ESTIMATES, By Type, 2023-2030 (USD Million) 77
TABLE 68 Europe: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 78
TABLE 69 Europe: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 78
TABLE 70 Europe: Market volume ESTIMATES, By Chelating Agent, 2023-2030 (Thousand tons) 78
TABLE 71 Europe: Market ESTIMATES, By Application, 2023-2030 (USD Million) 79
TABLE 72 Europe: Market ESTIMATES, By Application, 2023–2030 (thousand tons) 79
```

TABLE 73 UK Market ESTIMATES, By Type, 2023-2030 (USD Million) 79

```
TABLE 74 UK Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 80
TABLE 75 UK Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 80
TABLE 76 UK Market volume ESTIMATES, By Chelating Agent, 2023-2030 (Thousand tons) 80
TABLE 77 UK Market ESTIMATES, By Application, 2023-2030 (USD Million) 81
TABLE 78 UK Market ESTIMATES, By Application, 2023-2030 (thousand tons) 81
TABLE 79 GERMANY: Market ESTIMATES, By Type, 2023-2030 (USD Million) 81
TABLE 80 GERMANY: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 82
TABLE 81 GERMANY: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 82
TABLE 82 GERMANY: Market volume ESTIMATES, By Chelating Agent, 2023-2030 (Thousand tons) 82
TABLE 83 GERMANY: Market ESTIMATES, By Application, 2023-2030 (USD Million) 83
TABLE 84 GERMANY: Market ESTIMATES, By Application, 2023–2030 (thousand tons) 83
TABLE 85 FRANCE: Market ESTIMATES, By Type, 2023-2030 (USD Million) 83
TABLE 86 FRANCE: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 84
TABLE 87 FRANCE: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 84
TABLE 88 FRANCE: Market volume ESTIMATES, By Chelating Agent, 2023-2030 (Thousand tons) 84
TABLE 89 FRANCE: Market ESTIMATES, By Application, 2023-2030 (USD Million) 85
TABLE 90 FRANCE: Market ESTIMATES, By Application, 2023-2030 (thousand tons) 85
TABLE 91 SPAIN: Market ESTIMATES, By Type, 2023-2030 (USD Million) 85
TABLE 92 SPAIN: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 86
TABLE 93 SPAIN: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 86
TABLE 94 SPAIN: Market volume ESTIMATES, By Chelating Agent, 2023–2030 (Thousand tons) 86
TABLE 95 SPAIN: Market ESTIMATES, By Application, 2023-2030 (USD Million) 87
TABLE 96 SPAIN: Market ESTIMATES, By Application, 2023-2030 (thousand tons) 87
TABLE 97 ITALY: Market ESTIMATES, By Type, 2023-2030 (USD Million) 87
TABLE 98 ITALY: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 88
TABLE 99 ITALY: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 88
TABLE 100 ITALY: Market volume ESTIMATES, By Chelating Agent, 2023-2030 (Thousand tons) 88
TABLE 101 ITALY: Market ESTIMATES, By Application, 2023-2030 (USD Million) 89
TABLE 102 ITALY: Market ESTIMATES, By Application, 2023-2030 (thousand tons) 89
TABLE 103 REST OF EUROPE: Market ESTIMATES, By Type, 2023-2030 (USD Million) 89
TABLE 104 REST OF EUROPE: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 90
TABLE 105 REST OF EUROPE: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 90
TABLE 106 REST OF EUROPE: Market volume ESTIMATES, By Chelating Agent, 2023-2030 (Thousand tons) 90
TABLE 107 REST OF EUROPE: Market ESTIMATES, By Application, 2023-2030 (USD Million) 91
TABLE 108 REST OF EUROPE: Market ESTIMATES, By Application, 2023-2030 (thousand tons) 91
TABLE 109 Asia-Pacific: Market ESTIMATES & forecast, BY country, 2023-2030 (USD Million) 93
TABLE 110 Asia-Pacific: Market volume ESTIMATES & forecast, BY country, 2023–2030 (Thousand tons) 93
TABLE 111 Asia-Pacific: Market ESTIMATES, By Type, 2023-2030 (USD Million) 93
TABLE 112 Asia-Pacific: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 94
TABLE 113 Asia-Pacific: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 94
TABLE 114 Asia-Pacific: Market volume ESTIMATES, By Chelating Agent, 2023–2030 (Thousand tons) 94
TABLE 115 Asia-Pacific: Market ESTIMATES, By Application, 2023-2030 (USD Million) 95
TABLE 116 Asia-Pacific: Market ESTIMATES, By Application, 2023–2030 (thousand tons) 95
TABLE 117 China Market ESTIMATES, By Type, 2023-2030 (USD Million) 95
TABLE 118 China Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 96
TABLE 119 China Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 96
```

TABLE 120 China Market volume ESTIMATES, By Chelating Agent, 2023-2030 (Thousand tons) 96

```
TABLE 121 China Market ESTIMATES, By Application, 2023-2030 (USD Million) 97
TABLE 122 China Market ESTIMATES, By Application, 2023–2030 (thousand tons) 97
TABLE 123 INDIA: Market ESTIMATES, By Type, 2023-2030 (USD Million) 97
TABLE 124 INDIA: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 98
TABLE 125 INDIA: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 98
TABLE 126 INDIA: Market volume ESTIMATES, By Chelating Agent, 2023-2030 (Thousand tons) 98
TABLE 127 INDIA: Market ESTIMATES, By Application, 2023-2030 (USD Million) 99
TABLE 128 INDIA: Market ESTIMATES, By Application, 2023–2030 (thousand tons) 99
TABLE 129 JAPAN: Market ESTIMATES, By Type, 2023-2030 (USD Million) 99
TABLE 130 JAPAN: Market volume ESTIMATES, By Type, 2023–2030 (Thousand tons) 100
TABLE 131 JAPAN: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 100
TABLE 132 JAPAN: Market volume ESTIMATES, By Chelating Agent, 2023–2030 (Thousand tons) 100
TABLE 133 JAPAN: Market ESTIMATES, By Application, 2023-2030 (USD Million) 101
TABLE 134 JAPAN: Market ESTIMATES, By Application, 2023–2030 (thousand tons) 101
TABLE 135 AUSTRALIA & NEW ZEALAND: Market ESTIMATES, By Type, 2023-2030 (USD Million) 101
TABLE 136 AUSTRALIA & NEW ZEALAND: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 102
TABLE 137 AUSTRALIA & NEW ZEALAND: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 102
TABLE 138 AUSTRALIA & NEW ZEALAND: Market volume ESTIMATES, By Chelating Agent, 2023-2030
(Thousand tons) 102
TABLE 139 AUSTRALIA & NEW ZEALAND: Market ESTIMATES, By Application, 2023-2030 (USD Million) 103
TABLE 140 AUSTRALIA & NEW ZEALAND: Market ESTIMATES, By Application, 2023-2030 (thousand tons) 103
TABLE 141 REST OF ASIA-PACIFIC: Market ESTIMATES, By Type, 2023-2030 (USD Million) 103
TABLE 142 REST OF ASIA-PACIFIC: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 104
TABLE 143 REST OF ASIA-PACIFIC: Market ESTIMATES, By Chelating Agent, 2023–2030 (USD Million) 104
TABLE 144 REST OF ASIA-PACIFIC: Market volume ESTIMATES, By Chelating Agent, 2023-2030 (Thousand tons)
TABLE 145 REST OF ASIA-PACIFIC: Market ESTIMATES, By Application, 2023-2030 (USD Million) 105
TABLE 146 REST OF ASIA-PACIFIC: Market ESTIMATES, By Application, 2023-2030 (thousand tons) 105
TABLE 147 Rest of the World: Market ESTIMATES & forecast, BY region, 2023-2030 (USD Million) 106
TABLE 148 Rest of the World: Market volume ESTIMATES & forecast, BY region, 2023-2030 (Thousand tons) 107
TABLE 149 Rest of the World: Market ESTIMATES, By Type, 2023-2030 (USD Million) 107
TABLE 150 Rest of the World: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 107
TABLE 151 Rest of the World: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 108
TABLE 152 Rest of the World: Market volume ESTIMATES, By Chelating Agent, 2023–2030 (Thousand tons) 108
TABLE 153 Rest of the World: Market ESTIMATES, By Application, 2023-2030 (USD Million) 108
TABLE 154 Rest of the World: Market ESTIMATES, By Application, 2023-2030 (thousand tons) 109
TABLE 155 South America: Market ESTIMATES, By Type, 2023-2030 (USD Million) 109
TABLE 156 South America: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 109
TABLE 157 South America: Market ESTIMATES, By Chelating Agent, 2023–2030 (USD Million) 110
TABLE 158 South America: Market volume ESTIMATES, By Chelating Agent, 2023-2030 (Thousand tons) 110
TABLE 159 South America: Market ESTIMATES, By Application, 2023-2030 (USD Million) 110
TABLE 160 South America: Market ESTIMATES, By Application, 2023-2030 (thousand tons) 110
TABLE 161 MIDDLE EAST: Market ESTIMATES, By Type, 2023-2030 (USD Million) 111
TABLE 162 MIDDLE EAST: Market volume ESTIMATES, By Type, 2023-2030 (Thousand tons) 111
TABLE 163 MIDDLE EAST: Market ESTIMATES, By Chelating Agent, 2023-2030 (USD Million) 111
TABLE 164 MIDDLE EAST: Market volume ESTIMATES, By Chelating Agent, 2023–2030 (Thousand tons) 112
TABLE 165 MIDDLE EAST: Market ESTIMATES, By Application, 2023–2030 (USD Million) 112
```

TABLE 166 MIDDLE EAST: Market ESTIMATES, By Application, 2023–2030 (thousand tons) 112

TABLE 167 AFRICA: Market ESTIMATES, By Type, 2023-2030 (USD Million) 113

TABLE 168 AFRICA: Market volume ESTIMATES, By Type, 2023–2030 (Thousand tons) 113

TABLE 169 AFRICA: Market ESTIMATES, By Chelating Agent, 2023–2030 (USD Million) 113

TABLE 170 AFRICA: Market volume ESTIMATES, By Chelating Agent, 2023–2030 (Thousand tons) 114

TABLE 171 AFRICA: Market ESTIMATES, By Application, 2023-2030 (USD Million) 114

TABLE 172 AFRICA: Market ESTIMATES, By Application, 2023-2030 (thousand tons) 114

TABLE 173 acquisition 117

TABLE 174 joint venture 117

TABLE 175 NEW PRODUCT LAUNCH 118

TABLE 176 expansion 118

TABLE 177 BASF SE.: Products offered 120
TABLE 178 Nutreco: Products offered 124
TABLE 179 Nutreco: Key Developments 124

TABLE 180 Titan Biotech Limited.: Products offered 127

TABLE 181 DSM N.V.: Products Offered 131

TABLE 182 Kemin idustries: Products offered 133
TABLE 183 kemin industries: Key Developments 134

TABLE 184 Alltech.: Products offered 136

TABLE 185 Alltech: Key Developments 136

TABLE 186 Galnbia PLC: Products offered 139

TABLE 187 BALCHEM corporation.: Products Offered 141

TABLE 188 Balchem corporation.: KEY DEVELOPMENTS 142

TABLE 189 Innophos.: Products offered 143

TABLE 190 Novus International: Products offered 145

TABLE 191 Novus International: KEY DEVELOPMENTS 145

LIST OF FIGURES

FIGURE 1 Market synopsis 17

FIGURE 2 Global Chelated trace minerals market analysis, by type, 2021 18

FIGURE 3 Global Chelated trace minerals market analysis, by chelating agent, 2021 19

FIGURE 4 Global Chelated trace minerals market analysis, by Application, 2021 20

FIGURE 5 Global Chelated trace minerals market analysis, by region, 2021 21

FIGURE 1 Global Chelated trace minerals market: Structure 23

FIGURE 2 Key Buying Criteria for Power tools 23

FIGURE 3 bottom-up and top-down approaches 28

FIGURE 4 MARKET dynamics overview 31

FIGURE 5 Drivers Impact Analysis: Global Chelated Trace Minerals Market 33

FIGURE 6 Restraints Impact Analysis: global Chelated Trace Minerals Market 35

FIGURE 7 GLOBAL CHELATED TRACE MINERALS MARKET: Value CHAIN of Zinc Chelated Trace Minerals 37

FIGURE 8 GLOBAL CHELATED TRACE MINERALS MARKET: SUPPLY CHAIN analysis 39

FIGURE 10 GLOBAL CHELATED TRACE MINERALS market, By Type, 2021 (% Share) 44

FIGURE 11 GLOBAL CHELATED TRACE MINERALS market, By Type, 2023-2030 (USD Million) 44

FIGURE 12 GLOBAL CHELATED TRACE MINERALS market, By Chelating Agent, 2021 (% Share) 52

FIGURE 13 GLOBAL CHELATED TRACE MINERALS market, By Chelating Agent, 2023–2030 (USD Million) 52

FIGURE 14 GLOBAL CHELATED TRACE MINERALS market, By Application, 2021 (% Share) 58

FIGURE 15 GLOBAL CHELATED TRACE MINERALS market, By Application, 2023–2030 (USD Million) 58

FIGURE 16 GLOBAL CHELATED TRACE MINERALS MARKET, BY region, 2021 (% Share) 65

FIGURE 17 GLOBAL CHELATED TRACE MINERALS MARKET, BY region, 2023–2030 (USD Million) 65

FIGURE 18 North America: Chelated trace minerals MARKET share, BY country, 2021 (% share) 67

FIGURE 19 Europe: Chelated trace minerals MARKET share, BY country, 2021 (% share) 76

FIGURE 20 Asia-Pacific: Chelated trace minerals MARKET share, BY country, 2021 (% share) 92

FIGURE 21 Rest of the World: Chelated trace minerals MARKET share, BY country, 2021 (% share) 106

FIGURE 22 BENCHMARKING OF MAJOR COMPETITORS 116

FIGURE 23 BASF SE: FINANCIAL OVERVIEW SNAPSHOT 120

FIGURE 24 BASF SE.: SWOT Analysis 121

FIGURE 25 Nutreco: FINANCIAL OVERVIEW SNAPSHOT 123

FIGURE 26 Nutreco: SWOT Analysis 125

FIGURE 27 Titan Biotech Limited.: Financial Overview snapshot 127

FIGURE 28 Titan Biotech Limited.: SWOT Analysis 128

FIGURE 29 DSM N. V.: Finacial analysis 131

FIGURE 30 DSM N.V.: SWOT ANALYSIS 132

FIGURE 31 Kemin Industries: SWOT ANALYSIS 135

FIGURE 32 Glanbia PLC.: Financial Overview snapshot 138

FIGURE 33 BALCHEM corporation.: Financial Overview snapshot 141