

High Purity Alumina – A Global Market Overview

The report reviews, analyzes and projects the global market for High Purity Alumina for the period 2012-2022

Published: Mar 2016

Report Code: CP044

Pages: 336

Charts: 289

Price: \$4050 Single User License, \$6750 Enterprise License

SUMMARY

The recent years have been witnessing increasing demand for High Purity Alumina, more so in areas that are anticipated to exhibit high rates of growth, such as display materials, energy, automobiles, computers and semiconductors. High purity alumina, with purity equal to or greater than 99.99% and uniform fine particles, finds extensive application in translucent tubes for high-pressure sodium lamps, single crystal materials such as sapphires for watch covers, high-strength ceramic tools and abrasives for magnetic tape, among others. Properties, such as low-friction and high wear-resistance, thermal and electrical insulating ability and broad chemical compatibility make High Purity Alumina a more than useful option in military and aerospace-based applications, engine components, heat shields, electrical insulators, pump and valve components and satellite and radar electronics systems.

Leaving aside major applications, such as LEDs and semiconductors, demand for high purity alumina has been growing in some of the relatively smaller applications also due to its versatility. For instance, translucent High Purity Alumina ceramics find application in sodium lamps that employ an electrical gas discharge in sodium vapor for creating light. High Purity Alumina ceramics are utilized for making the luminous tubes, since they are resistant to any reaction with high-temperature sodium vapor. Higher efficiency and luminance of sodium vapor lamps compared to incandescent and fluorescent lamps render them highly effective in illuminating exterior spaces such as roads, streets and public spaces, in addition to factories and sports facilities and being used as light sources for horticulture.

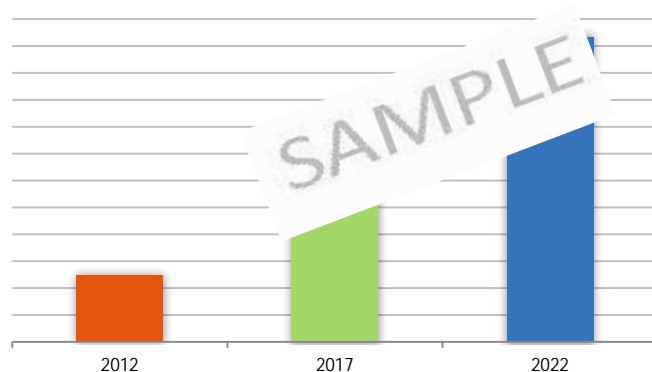
Worldwide market for High Purity Alumina product segments explored in this study includes 4N, 5N and 6N. The report also analyzes the key applications of High Purity Alumina comprise LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications. The global markets for the above mentioned product types, application areas are analyzed in terms of both in volume in tons and USD. Asia-Pacific is estimated the largest market for High

Purity Alumina at US\$1.7 billion in 2015, forecast at US\$2 billion in 2016, the region is also projected to be the fastest growing market with a robust CAGR of 13.5% between 2016 and 2022 to reach a projected US\$4.3 billion by 2022.

The report reviews, analyses and projects the High Purity Alumina market for the period 2012-2022 globally and the regional markets including North America, Europe, Asia-Pacific and Rest of World. The regional markets further analyzed for 12 independent countries across North America – The United States, Canada and Mexico; Europe – France, Germany, Italy, Spain and the United Kingdom; and Asia-Pacific – China, Japan, South Korea and Taiwan.

This 336 page global market report includes 289 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of market numbers. This report profiles 8 key global players and 18 major players across North America – 4; Europe – 2; and Asia-Pacific – 12. The research also provides the listing of the companies engaged in manufacturing and supply of High Purity Alumina. The global list of companies covers the address, contact numbers and the website addresses of 81 companies.

Global High Purity Alumina Market Overview (2012-2022) in Value (USD Million)



SAMPLE COMPANY PROFILE

BAIKOWSKI SAS (FRANCE)

Les Marais Noirs, BP501, Cedex
 La Balme de Sillingy, 74339
 France
 Phone: 33 4 50 22 69 02
 Fax: 33 4 50 22 28 92
 Website: www.baikowski.com

Business Overview

Baikowski SAS, established in 1904 and headquartered in La Balme de Sillingy, France, is an operating subsidiary of PSB Industries SA. The company and its subsidiaries are engaged in producing and distributing high purity alumina powders and formulations primarily in France, Japan and the United States. Baikowski's other activities include production of specialty powders of zirconia, spinel and nanophosphors, in addition to YAG powders and ceramics and polishing suspensions. The company's solutions find a wide variety of application in the lighting, watches and jewelry, health and medicine, plasma TV and microelectronics markets, in addition to sectors in the areas of technical ceramics, bioceramics, crystals, precision polishing, functional additives and coatings, UV reflection, phosphor and transparent armor. Other than production plants in Annecy, France and Malakoff, Texas, Baikowski also operates polishing slurries formulation and application labs in Charlotte, North Carolina and Chiba, Japan.

Product Portfolio

Product	Particulars
Baikalox B-Series	Comprises high crystallinity alumina powders developed specifically for specialty ceramics, UV-reflective coatings and precision polishing applications
Baikalox Regular	Alumina powders providing consistency ensured via stringent quality control procedures over the entire production process
High Density Alumina	Developed specifically for sapphire applications and offered in tailored sizes and shapes as casted or pressed ceramics, Verneuil crackle and alumina beads

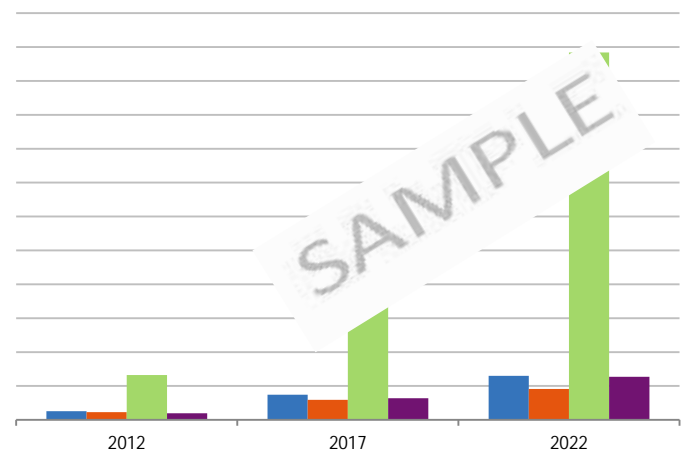
.....more

SAMPLE TABLE/CHART

Glance at 2017 Global High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N



Global High Purity Alumina Market Analysis (2012-2022) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in Tons



KEY PLAYERS PROFILED

- Airy Technology Co Ltd
- Altech Chemicals Ltd
- Baikowski SAS
- Coorstek, Inc.
- Dalian Hiland Photoelectric Material Co Ltd
- HMR Co Ltd
- HPA Sonics
- Nippon Light Metal Co Ltd
- Orbite Technologies Inc.
- PhiChem Corporation
- Polar Sapphire Ltd.
- Sasol Germany GmbH
- Sumitomo Chemical Co Ltd
- Taimei Chemicals Co Ltd
- Xuancheng Jingrui New Materials Co Ltd
- Zibo Honghe Chemical Co Ltd
- Zibo Xinfumeng Chemicals Co Ltd
- Zibo Xinmeiyu Alumina Co Ltd

.....more

TABLE OF CONTENTS

PART A: GLOBAL MARKET PERSPECTIVE 1

1. INTRODUCTION 1

1.1 Product Outline..... 3

1.1.1 What is High Purity Alumina? 3

1.1.2 Production of High Purity Alumina 3

1.1.2.1 Hydrolysis of Aluminum Alkoxide 3

1.1.2.2 In-situ Chemical Vapor Deposition..... 5

2. HIGH PURITY ALUMINA APPLICATIONS – A

MARKET SNAPSHOT 6

2.1 Light Emitting Diodes (LEDs) 6

Chart 1: Trending of High Purity Alumina Global Consumption in LED Applications (2016-2022) in Tons..... 6

2.1.1 Production of Industrial Sapphires..... 7

2.1.1.1 Verneuil Method..... 7

2.1.1.2 Czochralski Method (CZ)..... 7

2.1.1.3 Kyropoulos Method 8

2.1.1.4 Heat Exchanger Method (HEM) 8

2.1.1.5 Edge-Defined Film-Fed Growth Method (EFG) 9

2.2 Phosphor-Based Applications 10

Chart 2: Trending of High Purity Alumina Global Consumption in Phosphor-Based Applications (2016-2022) in Tons..... 10

2.3 Semiconductors 11

Chart 3: Trending of High Purity Alumina Global Consumption in Semiconductor Applications (2016-2022) in Tons..... 11

2.4 Industrial & Other Applications 12

Chart 4: Trending of High Purity Alumina Global Consumption in Semiconductor Applications (2016-2022) in Tons 12

2.4.1 Abrasives..... 12

2.4.2 Automotive Sensors..... 13

2.4.3 Ceramics 13

2.4.4 Medical 13

2.4.5 Separation Membranes 13

2.4.6 Sodium Vapor Lamps 14

3. KEY MARKET TRENDS..... 15

3.1 Growth in Demand for High Purity Alumina Being Propelled by the LED Industry 15

3.2 LED Sapphires Witnessing Competition from Alternative Technologies 16

3.3 Will Smartphones Make the “Smart” Move to Sapphire Glass?..... 16

3.4 Lithium-Ion Batteries Emerging as a New Opening for High Purity Alumina 17

3.5 Smaller Applications, too, Driving the Market for HPA..... 18

3.6 Alternative Method for Preparing High-Purity, High-Density Alumina Green Body Provides Higher Output 18

4. KEY GLOBAL PLAYERS..... 19

Altech Chemicals Ltd (Australia) 19

Baikowski Sas (France) 20

Coorstek, Inc. (United States)..... 21

Nippon Light Metal Co Ltd (Japan)..... 22

Orbite Technologies Inc. (Canada)..... 23

Polar Sapphire Ltd. (Canada) 24

Sasol Germany GmbH (Germany) 25

Sumitomo Chemical Co Ltd (Japan) 26

5. KEY BUSINESS TRENDS 27

Additional Samples of 5N and 5N+ Alpha High Purity Alumina Shipped by Orbite..... 27

Altech Chemicals Eyes Chinese Market for High Purity Alumina, Partners with Mitsubishi 27

Additional Samples of 5N+ Alpha High Purity Alumina Shipped by Orbite..... 27

Altech Chemicals to Offer Low Cost HPA..... 27

Altech Chemicals Expands Western Australian Kaolin Operations 28

Orbite Technologies Granted US Fly Ash Monetization Patent 28

First Samples of Orbite’s 5N+ High Purity Alumina Dispatched 28

Altech Chemicals Obtains Land in Malaysia for HPA Plant 28

Orbite and NRC in a HPA Benchmarking Deal 29

Sasol Performance Chemicals’ Alumina Spheres Production Capacity Expanded 29

Orbite Aluminae on Target for Producing Ultra High Purity Alumina 30

Construction of Orbite’s HPA Manufacturing Plant Commences 30

Orbite Procures Technology from Outotec for its HPA Plant 30

Over 99.9% High Purity Alumina Produced by AMMG 30

Orbite’s First Ton of HPA Produced at its Cap-Chat, Québec Plant 31

Sumitomo Chemical’s South Korea Plant to Commence HPA Production..... 31

Sasol Limited Plans Expansion of Ultra-High Purity Alumina production Capacity..... 31

6. GLOBAL MARKET OVERVIEW..... 32

Chart 5: Global High Purity Alumina Market Overview (2012-2022) in Volume (Tons) and Value (USD Million) 32

6.1 Global High Purity Alumina Market Overview by Product Segment 33

6.1.1 Market Analysis in Tons 33

Chart 6: Global High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons 33

Chart 7: Glance at 2012, 2017 and 2022 Global High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N..... 34

6.1.1.1 High Purity Alumina Product Segment Volume Market Overview by Global Region 35

6.1.1.1.1 4N High Purity Alumina 35

Chart 8: Global 4N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in Tons..... 35

Chart 9: Glance at 2012, 2017 and 2022 Global 4N High Purity Alumina Volume Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World..... 36

6.1.1.1.2 5N High Purity Alumina 37

Chart 10: Global 5N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in Tons 37

Chart 11: Glance at 2012, 2017 and 2022 Global 5N High Purity Alumina Volume Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World..... 38

6.1.1.1.3 6N High Purity Alumina 39

Chart 12: Global 6N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in Tons..... 39

Chart 13: Glance at 2012, 2017 and 2022 Global 6N High Purity Alumina Volume Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World..... 40

6.1.2 Market Analysis in USD 41

Chart 14: Global High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million..... 41

Chart 15: Glance at 2012, 2017 and 2022 Global High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N..... 42

6.1.2.1 Global High Purity Alumina Product Segment Value Market Overview by Global Region 43

6.1.2.1.1 4N High Purity Alumina 43

Chart 16: Global 4N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in USD Million 43

Chart 17: Glance at 2012, 2017 and 2022 Global 4N High Purity Alumina Value Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World 44

6.1.2.1.2 5N High Purity Alumina..... 45

Chart 18: Global 5N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in USD Million.... 45

Chart 19: Glance at 2012, 2017 and 2022 Global 5N High Purity Alumina Value Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World 46

6.1.2.1.3 6N High Purity Alumina..... 47

Chart 20: Global 6N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in USD Million.... 47

Chart 21: Glance at 2012, 2017 and 2022 Global 6N High Purity Alumina Value Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World 48

6.2 Global High Purity Alumina Market Overview by Application 49

6.2.1 Market Analysis in Tons 49

Chart 22: Global High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons..... 49

Chart 23: Glance at 2012, 2017 and 2022 Global High Purity Alumina Volume Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications..... 50

6.2.1.1 Global High Purity Alumina Application Volume Overview by Global Region 51

6.2.1.1.1 LEDs 51

Chart 24: Global High Purity Alumina Market Analysis (2012-2022) in LEDs by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in Tons 51

Chart 25: Glance at 2012, 2017 and 2022 Global High Purity Alumina Volume Market Share (%) in LEDs by Geographic Region – North America, Europe, Asia-Pacific and Rest of World..... 52

6.2.1.1.2 Phosphor-Based Applications 53

Chart 26: Global High Purity Alumina Market Analysis (2012-2022) in Phosphor-Based Applications by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in Tons 53

Chart 27: Glance at 2012, 2017 and 2022 Global High Purity Alumina Volume Market Share (%) in Phosphor-Based Applications by Geographic Region – North America, Europe, Asia-Pacific and Rest of World..... 54

6.2.1.1.3 Semiconductors 55

Chart 28: Global High Purity Alumina Market Analysis (2012-2022) in Semiconductors by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in Tons..... 55

Chart 29: Glance at 2012, 2017 and 2022 Global High Purity Alumina Volume Market Share (%) in Semiconductors by Geographic Region – North America, Europe, Asia-Pacific and Rest of World..... 56

6.2.1.1.4 Industrial & Other Applications 57

Chart 30: Global High Purity Alumina Market Analysis (2012-2022) in Industrial & Other Applications by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in Tons 57

Chart 31: Glance at 2012, 2017 and 2022 Global High Purity Alumina Volume Market Share (%) in Industrial & Other Applications by Geographic Region – North America, Europe, Asia-Pacific and Rest of World..... 58

6.2.2 Market Analysis in USD 59

Chart 32: Global High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million..... 59

Chart 33: Glance at 2012, 2017 and 2022 Global High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications..... 60

- 6.2.2.1 Global High Purity Alumina Application Value Market Overview by Geographic Region 61
- 6.2.2.1.1 LEDs 61
 - Chart 34: Global High Purity Alumina Market Analysis (2012-2022) in LEDs by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in USD Million61
 - Chart 35: Glance at 2012, 2017 and 2022 Global High Purity Alumina Value Market Share (%) in LEDs by Geographic Region – North America, Europe, Asia-Pacific and Rest of World.....62
- 6.2.2.1.2 Phosphor-Based Applications 63
 - Chart 36: Global High Purity Alumina Market Analysis (2012-2022) in Phosphor-Based Applications by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in USD Million63
 - Chart 37: Glance at 2012, 2017 and 2022 Global High Purity Alumina Value Market Share (%) in Phosphor-Based Applications by Geographic Region – North America, Europe, Asia-Pacific and Rest of World.....64
- 6.2.2.1.3 Semiconductors 65
 - Chart 38: Global High Purity Alumina Market Analysis (2012-2022) in Semiconductors by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in USD Million65
 - Chart 39: Glance at 2012, 2017 and 2022 Global High Purity Alumina Value Market Share (%) in Semiconductors by Geographic Region – North America, Europe, Asia-Pacific and Rest of World.....66
- 6.2.2.1.4 Industrial & Other Applications..... 67
 - Chart 40: Global High Purity Alumina Market Analysis (2012-2022) in Industrial & Other Applications by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in USD Million67
 - Chart 41: Glance at 2012, 2017 and 2022 Global High Purity Alumina Value Market Share (%) in Industrial & Other Applications by Geographic Region – North America, Europe, Asia-Pacific and Rest of World.....68

PART B: REGIONAL MARKET PERSPECTIVE ... 69

- Chart 42: The Largest Independent Regions in Terms of Projected Growth (2016-2022) for High Purity Alumina Market by Geographic Region – North America, Europe and Asia-Pacific69

Global High Purity Alumina Market Overview by Geographic Region70

- Market Analysis in Tons70**
 - Chart 43: Global High Purity Alumina Market Analysis (2012-2022) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in Tons70
 - Chart 44: Glance at 2012, 2017 and 2022 Global High Purity Alumina Volume Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World71

Market Analysis in USD72

- Chart 45: Global High Purity Alumina Market Analysis (2012-2022) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in USD Million ...72
- Chart 46: Glance at 2012, 2017 and 2022 Global High Purity Alumina Value Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World73

REGIONAL MARKET OVERVIEW.....74

1. NORTH AMERICA74

- Chart 47: North American High Purity Alumina Market Overview (2012-2022) in Volume (Tons) and Value (USD Million)74

1.1 North American High Purity Alumina Market Overview by Geographic Region75

- 1.1.1 Market Analysis in Tons75
 - Chart 48: North American High Purity Alumina Market Analysis (2012-2022) by Geographic Region – United States, Canada and Mexico in Tons75
 - Chart 49: Glance at 2012, 2017 and 2022 North American High Purity Alumina Volume Market Share (%) by Geographic Region – United States, Canada and Mexico 76

1.1.2 Market Analysis in USD 77

- Chart 50: North American High Purity Alumina Market Analysis (2012-2022) by Geographic Region – United States, Canada and Mexico in USD Million.....77
- Chart 51: Glance at 2012, 2017 and 2022 North American High Purity Alumina Value Market Share (%) by Geographic Region – United States, Canada and Mexico 78

1.2 North American High Purity Alumina Market Overview by Product Segment 79

1.2.1 Market Analysis in Tons 79

- Chart 52: North American High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons79
- Chart 53: Glance at 2012, 2017 and 2022 North American High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N.....80

1.2.1.1 High Purity Alumina Product Segment Volume Market Overview by NA Region81

1.2.1.1.1 4N High Purity Alumina 81

- Chart 54: North American 4N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – United States, Canada and Mexico in Tons81
- Chart 55: Glance at 2012, 2017 and 2022 North American 4N High Purity Alumina Volume Market Share (%) by Geographic Region – United States, Canada and Mexico 82

1.2.1.1.2 5N High Purity Alumina83

- Chart 56: North American 5N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – United States, Canada and Mexico in Tons.....83
- Chart 57: Glance at 2012, 2017 and 2022 North American 5N High Purity Alumina Volume Market Share (%) by Geographic Region – United States, Canada and Mexico 84

1.2.1.1.3 6N High Purity Alumina85

- Chart 58: North American 6N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – United States, Canada and Mexico in Tons85
- Chart 59: Glance at 2012, 2017 and 2022 North American 6N High Purity Alumina Volume Market Share (%) by Geographic Region – United States, Canada and Mexico 86

1.2.2 Market Analysis in USD 87

- Chart 60: North American High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million87
- Chart 61: Glance at 2012, 2017 and 2022 North American High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N.....88

1.2.2.1 High Purity Alumina Product Segment Value Market Overview by NA Region89

1.2.2.1.1 4N High Purity Alumina 89

- Chart 62: North American 4N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – United States, Canada and Mexico in USD Million.....89
- Chart 63: Glance at 2012, 2017 and 2022 North American 4N High Purity Alumina Value Market Share (%) by Geographic Region – United States, Canada and Mexico 90

1.2.2.1.2 5N High Purity Alumina91

- Chart 64: North American 5N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – United States, Canada and Mexico in USD Million.....91
- Chart 65: Glance at 2012, 2017 and 2022 North American 5N High Purity Alumina Value Market Share (%) by Geographic Region – United States, Canada and Mexico 92

1.2.2.1.3 6N High Purity Alumina93

- Chart 66: North American 6N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – United States, Canada and Mexico in USD Million.....93
- Chart 67: Glance at 2012, 2017 and 2022 North American 6N High Purity Alumina Value Market Share (%) by Geographic Region – United States, Canada and Mexico 94

1.3 North American High Purity Alumina Market Overview by Application.....95

1.3.1 Market Analysis in Tons95

- Chart 68: North American High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons95

- Chart 69: Glance at 2012, 2017 and 2022 North American High Purity Alumina Volume Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications 96

1.3.1.1 High Purity Alumina Application Volume Market Overview by NA Region97

1.3.1.1.1 LEDs 97

- Chart 70: North American High Purity Alumina Market Analysis (2012-2022) in LEDs by Geographic Region – United States, Canada and Mexico in Tons97
- Chart 71: Glance at 2012, 2017 and 2022 North American High Purity Alumina Volume Market Share (%) in LEDs by Geographic Region – United States, Canada and Mexico 98

1.3.1.1.2 Phosphor-Based Applications 99

- Chart 72: North American High Purity Alumina Market Analysis (2012-2022) in Phosphor-Based Applications by Geographic Region – United States, Canada and Mexico in Tons.....99
- Chart 73: Glance at 2012, 2017 and 2022 North American High Purity Alumina Volume Market Share (%) in Phosphor-Based Applications by Geographic Region – United States, Canada and Mexico 100

1.3.1.1.3 Semiconductors 101

- Chart 74: North American High Purity Alumina Market Analysis (2012-2022) in Semiconductors by Geographic Region – United States, Canada and Mexico in Tons 101
- Chart 75: Glance at 2012, 2017 and 2022 North American High Purity Alumina Volume Market Share (%) in Semiconductors by Geographic Region – United States, Canada and Mexico 102

1.3.1.1.4 Industrial & Other Applications 103

- Chart 76: North American High Purity Alumina Market Analysis (2012-2022) in Industrial & Other Applications by Geographic Region – United States, Canada and Mexico in Tons..... 103
- Chart 77: Glance at 2012, 2017 and 2022 North American High Purity Alumina Volume Market Share (%) in Industrial & Other Applications by Geographic Region – United States, Canada and Mexico 104

1.3.2 Market Analysis in USD105

- Chart 78: North American High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million 105
- Chart 79: Glance at 2012, 2017 and 2022 North American High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications 106

1.3.2.1 High Purity Alumina Application Value Market Overview by NA Region 107

1.3.2.1.1 LEDs 107

- Chart 80: North American High Purity Alumina Market Analysis (2012-2022) in LEDs by Geographic Region – United States, Canada and Mexico in USD Million..... 107
- Chart 81: Glance at 2012, 2017 and 2022 North American High Purity Alumina Value Market Share (%) in LEDs by Geographic Region – United States, Canada and Mexico . 108

1.3.2.1.2 Phosphor-Based Applications 109

- Chart 82: North American High Purity Alumina Market Analysis (2012-2022) in Phosphor-Based Applications by Geographic Region – United States, Canada and Mexico in USD Million..... 109
- Chart 83: Glance at 2012, 2017 and 2022 North American High Purity Alumina Value Market Share (%) in Phosphor-Based Applications by Geographic Region – United States, Canada and Mexico 110

1.3.2.1.3 Semiconductors 111

- Chart 84: North American High Purity Alumina Market Analysis (2012-2022) in Semiconductors by Geographic Region – United States, Canada and Mexico in USD Million 111
- Chart 85: Glance at 2012, 2017 and 2022 North American High Purity Alumina Value Market Share (%) in Semiconductors by Geographic Region – United States, Canada and Mexico 112

1.3.2.1.4 Industrial & Other Applications 113

- Chart 86: North American High Purity Alumina Market Analysis (2012-2022) in Industrial & Other Applications by Geographic Region – United States, Canada and Mexico in USD Million..... 113

Chart 87: Glance at 2012, 2017 and 2022 North American High Purity Alumina Value Market Share (%) in Industrial & Other Applications by Geographic Region – United States, Canada and Mexico	114	Chart 103: Glance at 2012, 2017 and 2022 Canadian High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	133	Chart 120: Glance at 2012, 2017 and 2022 4N European High Purity Alumina Value Market Share (%) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	150
1.4 Major Market Players	115	1.5.3 Mexico	134	2.2.1.1.2 5N High Purity Alumina	151
Coorstek, Inc. (United States)	115	1.5.3.1 Market Overview by Product Segment	134	Chart 121: European 5N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in Tons	151
Hpa Sonics (United States)	116	1.5.3.1.1 Market Analysis in Tons	134	Chart 122: Glance at 2012, 2017 and 2022 5N European High Purity Alumina Value Market Share (%) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	152
Orbite Technologies Inc. (Canada)	116	Chart 104: Mexican High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	134	2.2.1.1.3 6N High Purity Alumina	153
Polar Sapphire Ltd. (Canada)	117	Chart 105: Glance at 2012, 2017 and 2022 Mexican High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	135	Chart 123: European 6N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in Tons	153
1.5 North American High Purity Alumina Market Overview by Country	118	1.5.3.1.2 Market Analysis in USD	136	Chart 124: Glance at 2012, 2017 and 2022 6N European High Purity Alumina Value Market Share (%) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	154
1.5.1 The United States	118	Chart 106: Mexican High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	136	2.2.2 Market Analysis in USD	155
1.5.1.1 Market Overview by Product Segment	118	Chart 107: Glance at 2012, 2017 and 2022 Mexican High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	137	Chart 125: European High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	155
1.5.1.1.1 Market Analysis in Tons	118	1.5.3.2 Market Overview by Application	138	Chart 126: Glance at 2012, 2017 and 2022 European High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	156
Chart 88: United States High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	118	1.5.3.2.1 Market Analysis in Tons	138	2.2.2.1 High Purity Alumina Product Segment Value Market Overview by European Region	157
Chart 89: Glance at 2012, 2017 and 2022 United States High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	119	Chart 108: Mexican High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	138	2.2.2.1.1 4N High Purity Alumina	157
1.5.1.1.2 Market Analysis in USD	120	Chart 109: Glance at 2012, 2017 and 2022 Mexican High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	139	Chart 127: European 4N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in USD Million	157
Chart 90: United States High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	120	1.5.3.2.2 Market Analysis in USD	140	Chart 128: Glance at 2012, 2017 and 2022 European 4N High Purity Alumina Value Market Share (%) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	158
Chart 91: Glance at 2012, 2017 and 2022 United States High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	121	Chart 110: Mexican High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	140	2.2.2.1.2 5N High Purity Alumina	159
1.5.1.2 Market Overview by Application	122	Chart 111: Glance at 2012, 2017 and 2022 Mexican High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	141	Chart 129: European 5N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in USD Million	159
1.5.1.2.1 Market Analysis in Tons	122	2. EUROPE	142	Chart 130: Glance at 2012, 2017 and 2022 European 5N High Purity Alumina Value Market Share (%) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	160
Chart 92: United States High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	122	Chart 112: European High Purity Alumina Market Overview (2012-2022) in Volume (Tons) and Value (USD Million)	142	2.2.2.1.3 6N High Purity Alumina	161
Chart 93: Glance at 2012, 2017 and 2022 United States High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	123	2.1 European High Purity Alumina Market Overview by Geographic Region	143	Chart 131: European 6N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in USD Million	161
1.5.1.2.2 Market Analysis in USD	124	2.1.1 Market Analysis in Tons	143	Chart 132: Glance at 2012, 2017 and 2022 European 6N High Purity Alumina Value Market Share (%) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	162
Chart 94: United States High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	124	Chart 113: European High Purity Alumina Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in Tons	143	2.3 European High Purity Alumina Market Overview by Application	163
Chart 95: Glance at 2012, 2017 and 2022 United States High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	125	Chart 114: Glance at 2012, 2017 and 2022 European High Purity Alumina Value Market Share (%) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	144	2.3.1 Market Analysis in Tons	163
1.5.2 Canada	126	2.1.2 Market Analysis in USD	145	Chart 133: European High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	163
1.5.2.1 Market Overview by Product Segment	126	Chart 115: European High Purity Alumina Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in USD Million	145	Chart 134: Glance at 2012, 2017 and 2022 European High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	164
1.5.2.1.1 Market Analysis in Tons	126	Chart 116: Glance at 2012, 2017 and 2022 European High Purity Alumina Value Market Share (%) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	146	2.3.1.1 High Purity Alumina Application Volume Market Overview by European Region	165
Chart 96: Canadian High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	126	2.2 European High Purity Alumina Market Overview by Product Segment	147	2.3.1.1.1 LEDs	165
Chart 97: Glance at 2012, 2017 and 2022 Canadian High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	127	2.2.1 Market Analysis in Tons	147	Chart 135: European High Purity Alumina Market Analysis (2012-2022) in LEDs by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in Tons	165
1.5.2.1.2 Market Analysis in USD	128	Chart 117: European High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	147		
Chart 98: Canadian High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	128	Chart 118: Glance at 2012, 2017 and 2022 European High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	148		
Chart 99: Glance at 2012, 2017 and 2022 Canadian High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	129	2.2.1.1 High Purity Alumina Product Segment Value Market Overview by European Region	149		
1.5.2.2 Market Overview by Application	130	2.2.1.1.1 4N High Purity Alumina	149		
1.5.2.2.1 Market Analysis in Tons	130	Chart 119: European 4N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in Tons	149		
Chart 100: Canadian High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	130				
Chart 101: Glance at 2012, 2017 and 2022 Canadian High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	131				
1.5.2.2.2 Market Analysis in USD	132				
Chart 102: Canadian High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	132				

Chart 136: Glance at 2012, 2017 and 2022 European High Purity Alumina Volume Market Share (%) in LEDs by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	166	2.4 Major Market Players	183	2.5.3.1.1 Market Analysis in Tons	201
2.3.1.1.2 Phosphor-Based Applications	167	Baikowski Sas (France)	183	Chart 169: Italian High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	201
Chart 137: European High Purity Alumina Market Analysis (2012-2022) in Phosphor-Based by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in Tons	167	Sasol Germany GmbH (Germany)	184	Chart 170: Glance at 2012, 2017 and 2022 Italian High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N	202
Chart 138: Glance at 2012, 2017 and 2022 European High Purity Alumina Volume Market Share (%) in Phosphor-Based by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	168	2.5 European High Purity Alumina Market Overview by Country	185	2.5.3.1.2 Market Analysis in USD	203
2.3.1.1.3 Semiconductors	169	2.5.1 France	185	Chart 171: Italian High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	203
Chart 139: European High Purity Alumina Market Analysis (2012-2022) in Semiconductors by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in Tons	169	2.5.1.1 Market Overview by Product Segment	185	Chart 172: Glance at 2012, 2017 and 2022 Italian High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	204
Chart 140: Glance at 2012, 2017 and 2022 European High Purity Alumina Volume Market Share (%) in Semiconductors by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	170	2.5.1.1.1 Market Analysis in Tons	185	Chart 173: Italian High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	205
2.3.1.1.4 Industrial & Other Applications	171	Chart 153: French High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	185	2.5.3.2 Market Overview by Application	205
Chart 141: European High Purity Alumina Market Analysis (2012-2022) in Industrial & Other Applications by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in Tons	171	Chart 154: Glance at 2012, 2017 and 2022 French High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N	186	2.5.3.2.1 Market Analysis in Tons	205
Chart 142: Glance at 2012, 2017 and 2022 European High Purity Alumina Volume Market Share (%) in Industrial & Other Applications by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	172	2.5.1.1.2 Market Analysis in USD	187	Chart 173: Italian High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	205
2.3.2 Market Analysis in USD	173	Chart 155: French High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	187	Chart 174: Glance at 2012, 2017 and 2022 Italian High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	206
Chart 143: European High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	173	Chart 156: Glance at 2012, 2017 and 2022 French High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	188	2.5.3.2.2 Market Analysis in USD	207
Chart 144: Glance at 2012, 2017 and 2022 European High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	174	2.5.1.2 Market Overview by Application	189	Chart 175: Italian High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	207
2.3.2.1 High Purity Alumina Application Value Market Overview by European Region	175	2.5.1.2.1 Market Analysis in Tons	189	Chart 176: Glance at 2012, 2017 and 2022 Italian High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	208
2.3.2.1.1 LEDs	175	Chart 157: French High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	189	2.5.4 Spain	209
Chart 145: European High Purity Alumina Market Analysis (2012-2022) in LEDs by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in USD Million	175	Chart 158: Glance at 2012, 2017 and 2022 French High Purity Alumina Volume Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	190	2.5.4.1 Market Overview by Product Segment	209
Chart 146: Glance at 2012, 2017 and 2022 European High Purity Alumina Value Market Share (%) in LEDs by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	176	Chart 159: French High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	191	2.5.4.1.1 Market Analysis in Tons	209
2.3.2.1.2 Phosphor-Based Applications	177	Chart 160: Glance at 2012, 2017 and 2022 French High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	192	Chart 177: Spanish High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	209
Chart 147: European High Purity Alumina Market Analysis (2012-2022) in Phosphor-Based Applications by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in USD Million	177	2.5.2 Germany	193	Chart 178: Glance at 2012, 2017 and 2022 German High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N	210
Chart 148: Glance at 2012, 2017 and 2022 European High Purity Alumina Value Market Share (%) in Phosphor-Based Applications by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	178	2.5.2.1 Market Overview by Product Segment	193	2.5.4.1.2 Market Analysis in USD	211
2.3.2.1.3 Semiconductors	179	2.5.2.1.1 Market Analysis in Tons	193	Chart 179: Spanish High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	211
Chart 149: European High Purity Alumina Market Analysis (2012-2022) in Semiconductors by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in USD Million	179	Chart 161: German High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	193	Chart 180: Glance at 2012, 2017 and 2022 Spanish High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	212
Chart 150: Glance at 2012, 2017 and 2022 European High Purity Alumina Value Market Share (%) in Semiconductors by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	180	Chart 162: Glance at 2012, 2017 and 2022 German High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N	194	2.5.4.2 Market Overview by Application	213
2.3.2.1.4 Industrial & Other Applications	181	2.5.2.1.2 Market Analysis in USD	195	2.5.4.2.1 Market Analysis in Tons	213
Chart 151: European High Purity Alumina Market Analysis (2012-2022) in Industrial & Other Applications by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in USD Million	181	Chart 163: German High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	195	Chart 181: Spanish High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	213
Chart 152: Glance at 2012, 2017 and 2022 European High Purity Alumina Value Market Share (%) in Industrial & Other Applications by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe	182	Chart 164: Glance at 2012, 2017 and 2022 French High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	196	Chart 182: Glance at 2012, 2017 and 2022 Spanish High Purity Alumina Volume Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	214
		2.5.2.2 Market Overview by Application	197	2.5.4.2.2 Market Analysis in USD	215
		2.5.2.2.1 Market Analysis in Tons	197	Chart 183: Spanish High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	215
		Chart 165: German High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	197	Chart 184: Glance at 2012, 2017 and 2022 Spanish High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	216
		Chart 166: Glance at 2012, 2017 and 2022 German High Purity Alumina Volume Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	198	2.5.5 The United Kingdom	217
		2.5.2.2.2 Market Analysis in USD	199	2.5.5.1 Market Overview by Product Segment	217
		Chart 167: German High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	199	2.5.5.1.1 Market Analysis in Tons	217
		Chart 168: Glance at 2012, 2017 and 2022 German High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	200	Chart 185: United Kingdom High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	217
		2.5.3 Italy	201	Chart 186: Glance at 2012, 2017 and 2022 United Kingdom High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N	218
		2.5.3.1 Market Overview by Product Segment	201	2.5.5.1.2 Market Analysis in USD	219

Chart 187: United Kingdom High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million.....	219	Chart 204: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in USD Million.....	236	Chart 221: Glance at 2012, 2017 and 2022 Asia-Pacific 6N High Purity Alumina Value Market Share (%) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific.....	253
Chart 188: Glance at 2012, 2017 and 2022 United Kingdom High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	220	Chart 205: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Value Market Share (%) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific	237	3.3 Asia-Pacific High Purity Alumina Market Overview by Application.....	254
2.5.5.2 Market Overview by Application	221	3.2 Asia-Pacific High Purity Alumina Market Overview by Product Segment	238	3.3.1 Market Analysis in Tons	254
2.5.5.2.1 Market Analysis in Tons	221	3.2.1 Market Analysis in Tons	238	Chart 222: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons.....	254
Chart 189: United Kingdom High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	221	Chart 206: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	238	Chart 223: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Volume Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	255
Chart 190: Glance at 2012, 2017 and 2022 United Kingdom High Purity Alumina Volume Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	222	Chart 207: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N	239	3.3.1.1 High Purity Alumina Application Volume Market Overview by Asia-Pacific Region	256
2.5.5.2.2 Market Analysis in USD	223	3.2.1.1 High Purity Alumina Product Segment Volume Market Overview by Asia-Pacific Region	240	3.3.1.1.1 LEDs	256
Chart 191: United Kingdom High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	223	3.2.1.1.1 4N High Purity Alumina.....	240	Chart 224: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) in LEDs by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in Tons	256
Chart 192: Glance at 2012, 2017 and 2022 United Kingdom High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	224	Chart 208: Asia-Pacific 4N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in Tons	240	Chart 225: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Volume Market Share (%) in LEDs by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific.....	257
2.5.6 Rest of Europe	225	Chart 209: Glance at 2012, 2017 and 2022 4N Asia-Pacific High Purity Alumina Volume Market Share (%) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific	241	3.3.1.1.2 Phosphor-Based Applications	258
2.5.6.1 Market Overview by Product Segment	225	3.2.1.1.2 5N High Purity Alumina.....	242	Chart 226: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) in Phosphor-Based Applications by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in Tons	258
2.5.6.1.1 Market Analysis in Tons	225	Chart 210: Asia-Pacific 5N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in Tons	242	Chart 227: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Volume Market Share (%) in Phosphor-Based Applications by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific.....	259
Chart 193: Rest of Europe High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons.....	225	Chart 211: Glance at 2012, 2017 and 2022 5N Asia-Pacific High Purity Alumina Volume Market Share (%) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific	243	3.3.1.1.3 Semiconductors	260
Chart 194: Glance at 2012, 2017 and 2022 Rest of Europe High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N	226	3.2.1.1.3 6N High Purity Alumina.....	244	Chart 228: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) in Semiconductors by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in Tons	260
2.5.6.1.2 Market Analysis in USD	227	Chart 212: Asia-Pacific 6N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in Tons	244	Chart 229: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Volume Market Share (%) in Semiconductors by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific	261
Chart 195: Rest of Europe High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	227	Chart 213: Glance at 2012, 2017 and 2022 6N Asia-Pacific High Purity Alumina Volume Market Share (%) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific	245	3.3.1.1.4 Industrial & Other Applications	262
Chart 196: Glance at 2012, 2017 and 2022 Rest of Europe High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	228	3.2.2 Market Analysis in USD	246	Chart 230: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) in Industrial & Other Applications by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in Tons	262
2.5.6.2 Market Overview by Application	229	Chart 214: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	246	Chart 231: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Volume Market Share (%) in Industrial & Other Applications by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific	263
2.5.6.2.1 Market Analysis in Tons	229	Chart 215: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N.....	247	3.3.2 Market Analysis in USD	264
Chart 197: Rest of Europe High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	229	3.2.2.1 High Purity Alumina Product Segment Value Market Overview by Asia-Pacific Region	248	Chart 232: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	264
Chart 198: Glance at 2012, 2017 and 2022 Rest of Europe High Purity Alumina Volume Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	230	3.2.2.1.1 4N High Purity Alumina	248	Chart 233: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	265
2.5.6.2.2 Market Analysis in USD	231	Chart 216: Asia-Pacific 4N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in USD Million.....	248	3.3.2.1 High Purity Alumina Application Value Market Overview by Asia-Pacific Region	266
Chart 199: Rest of Europe High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	231	Chart 217: Glance at 2012, 2017 and 2022 Asia-Pacific 4N High Purity Alumina Value Market Share (%) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific	249	3.3.2.1.1 LEDs	266
Chart 200: Glance at 2012, 2017 and 2022 Rest of Europe High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	232	3.2.2.1.2 5N High Purity Alumina.....	250	Chart 234: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) in LEDs by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in USD Million.....	266
3. ASIA-PACIFIC.....	233	Chart 218: Asia-Pacific 5N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in USD Million.....	250	Chart 235: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Value Market Share (%) in LEDs by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific.....	267
Chart 201: Asia-Pacific High Purity Alumina Market Overview (2012-2022) in Volume (Tons) and Value (USD Million).....	233	3.2.2.1.3 6N High Purity Alumina.....	252	3.3.2.1.2 Phosphor-Based Applications	268
3.1 Asia-Pacific High Purity Alumina Market Overview by Geographic Region.....	234	Chart 219: Glance at 2012, 2017 and 2022 Asia-Pacific 5N High Purity Alumina Value Market Share (%) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific	251	Chart 236: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) in Phosphor-Based Applications by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in USD Million	268
3.1.1 Market Analysis in Tons	234	3.2.2.2 High Purity Alumina Product Segment Value Market Overview by Asia-Pacific Region	248		
Chart 202: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in Tons.....	234	3.2.2.2.1 4N High Purity Alumina	248		
Chart 203: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Volume Market Share (%) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific	235	Chart 216: Asia-Pacific 4N High Purity Alumina Market Analysis (2012-2022) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in USD Million.....	248		
3.1.2 Market Analysis in USD	236	Chart 217: Glance at 2012, 2017 and 2022 Asia-Pacific 4N High Purity Alumina Value Market Share (%) by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific	249		

Chart 237: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Value Market Share (%) in Phosphor-Based Applications by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific	269	Chart 251: Glance at 2012, 2017 and 2022 Japanese High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N	292	Chart 269: Glance at 2012, 2017 and 2022 Taiwanese High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	310
3.3.2.1.3 Semiconductors	270	3.5.2.1.2 Market Analysis in USD	293	3.5.4.2 Market Overview by Application	311
Chart 238: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) in Semiconductors by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in USD Million	270	Chart 252: Japanese High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	293	3.5.4.2.1 Market Analysis in Tons	311
Chart 239: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Value Market Share (%) in Semiconductors by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific	271	Chart 253: Glance at 2012, 2017 and 2022 Japanese High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	294	Chart 270: Taiwanese High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	311
3.3.2.1.4 Industrial & Other Applications	272	3.5.2.2 Market Overview by Application	295	Chart 271: Glance at 2012, 2017 and 2022 Taiwanese High Purity Alumina Volume Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	312
Chart 240: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) in Industrial & Other Applications by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific in USD Million	272	3.5.2.2.1 Market Analysis in Tons	295	3.5.4.2.2 Market Analysis in USD	313
Chart 241: Glance at 2012, 2017 and 2022 Asia-Pacific High Purity Alumina Value Market Share (%) in Industrial & Other Applications by Geographic Region – China, Japan, South Korea, Taiwan and Rest of Asia-Pacific	273	Chart 254: Japanese High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	295	Chart 272: Taiwanese High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	313
3.4 Major Market Players	274	Chart 255: Glance at 2012, 2017 and 2022 Japanese High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	296	Chart 273: Glance at 2012, 2017 and 2022 Taiwanese High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	314
Airy Technology Co Ltd (China)	274	3.5.2.2.2 Market Analysis in USD	297	3.5.5 Rest of Asia-Pacific	315
Altech Chemicals Ltd (Australia)	274	Chart 256: Japanese High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	297	3.5.5.1 Market Overview by Product Segment	315
Dalian Hiland Photoelectric Material Co Ltd (China)	275	Chart 257: Glance at 2012, 2017 and 2022 Japanese High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	298	3.5.5.1.1 Market Analysis in Tons	315
Hmr Co Ltd (South Korea)	276	3.5.3 South Korea	299	Chart 274: Rest of Asia-Pacific High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	315
Nippon Light Metal Co Ltd (Japan)	277	3.5.3.1 Market Overview by Product Segment	299	Chart 275: Glance at 2012, 2017 and 2022 Rest of Asia-Pacific High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N	316
PhiChem Corporation (China)	278	3.5.3.1.1 Market Analysis in Tons	299	3.5.5.1.2 Market Analysis in USD	317
Sumitomo Chemical Co Ltd (Japan)	279	Chart 258: South Korean High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	299	Chart 276: Rest of Asia-Pacific High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	317
Taimei Chemicals Co Ltd (Japan)	279	Chart 259: Glance at 2012, 2017 and 2022 South Korean High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N	300	Chart 277: Glance at 2012, 2017 and 2022 Rest of Asia-Pacific High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	318
Xuancheng Jingrui New Materials Co Ltd (China)	280	3.5.3.1.2 Market Analysis in USD	301	3.5.5.2 Market Overview by Application	319
Zibo Honghe Chemical Co Ltd (China)	280	Chart 260: South Korean High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	301	3.5.5.2.1 Market Analysis in Tons	319
Zibo Xinfumeng Chemicals Co Ltd (China)	281	Chart 261: Glance at 2012, 2017 and 2022 South Korean High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	302	Chart 278: Rest of Asia-Pacific High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	319
Zibo Xinmeiyu Alumina Co Ltd (China)	282	3.5.3.2 Market Overview by Application	303	Chart 279: Glance at 2012, 2017 and 2022 Rest of Asia-Pacific High Purity Alumina Volume Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	320
3.5 Asia-Pacific High Purity Alumina Market Overview by Country	283	3.5.3.2.1 Market Analysis in Tons	303	3.5.5.2.2 Market Analysis in USD	321
3.5.1 China	283	Chart 262: South Korean High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	303	Chart 280: Rest of Asia-Pacific High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	321
3.5.1.1 Market Overview by Product Segment	283	Chart 263: Glance at 2012, 2017 and 2022 South Korean High Purity Alumina Volume Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	304	Chart 281: Glance at 2012, 2017 and 2022 Rest of Asia-Pacific High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	322
3.5.1.1.1 Market Analysis in Tons	283	3.5.3.2.2 Market Analysis in USD	305	4. REST OF WORLD	323
Chart 242: Chinese High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	283	Chart 264: South Korean High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	305	4.1 Market Overview by Product Segment	323
Chart 243: Glance at 2012, 2017 and 2022 Chinese High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N	284	Chart 265: Glance at 2012, 2017 and 2022 South Korean High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	306	4.1.1 Market Analysis in Tons	323
3.5.1.1.2 Market Analysis in USD	285	3.5.4 Taiwan	307	Chart 282: Rest of World High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	323
Chart 244: Chinese High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	285	3.5.4.1 Market Overview by Product Segment	307	Chart 283: Glance at 2012, 2017 and 2022 Rest of World High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N	324
Chart 245: Glance at 2012, 2017 and 2022 Chinese High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	286	3.5.4.1.1 Market Analysis in Tons	307	4.1.2 Market Analysis in USD	325
3.5.1.2 Market Overview by Application	287	Chart 266: Taiwanese High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	307	Chart 284: Rest of World High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	325
3.5.1.2.1 Market Analysis in Tons	287	Chart 267: Glance at 2012, 2017 and 2022 Taiwanese High Purity Alumina Volume Market Share (%) by Product Segment – 4N, 5N and 6N	308	Chart 285: Glance at 2012, 2017 and 2022 Rest of World High Purity Alumina Value Market Share (%) by Product Segment – 4N, 5N and 6N	326
Chart 246: Chinese High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons	287	3.5.4.1.2 Market Analysis in USD	309	4.2 Market Overview by Application	327
Chart 247: Glance at 2012, 2017 and 2022 Chinese High Purity Alumina Volume Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	288	Chart 268: Taiwanese High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in USD Million	309		
3.5.1.2.2 Market Analysis in USD	289				
Chart 248: Chinese High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million	289				
Chart 249: Glance at 2012, 2017 and 2022 Chinese High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications	290				
3.5.2 Japan	291				
3.5.2.1 Market Overview by Product Segment	291				
3.5.2.1.1 Market Analysis in Tons	291				
Chart 250: Japanese High Purity Alumina Market Analysis (2012-2022) by Product Segment – 4N, 5N and 6N in Tons	291				

4.2.1 Market Analysis in Tons 327	4.2.2 Market Analysis in USD 329	PART C: GUIDE TO THE INDUSTRY 331
Chart 286: Rest of World High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons 327	Chart 288: Rest of World High Purity Alumina Market Analysis (2012-2022) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million 329	1. NORTH AMERICA 331
Chart 287: Glance at 2012, 2017 and 2022 Rest of World High Purity Alumina Volume Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications 328	Chart 289: Glance at 2012, 2017 and 2022 Rest of World High Purity Alumina Value Market Share (%) by Application – LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications 330	2. EUROPE 331
		3. ASIA-PACIFIC 332
		4. REST OF WORLD 334
		PART D: ANNEXURE 335
		1. RESEARCH METHODOLOGY 335
		2. FEEDBACK 337

About Industry Experts

Industry Experts values the most updated and accurate market research and industry analysis to provide unique market research reports for a broad range of industry verticals including Automotive, Transportation, Healthcare, Pharmaceuticals, Food & Beverages, Chemicals, Plastics, Materials, Consumer Goods, Retail, Biotechnology, Construction, Manufacturing and Other industries. Our research reports help our clients to identify and resolve topical issues by providing a complete picture of the market in their respective industry sectors. The Company's rich collection of market research reports enable the companies to explore market drivers; forecast the future market; and to formulate the right strategies at the right time.

Industry Experts' leading edge publications makes the life easy for corporate strategists, investors, analysts and researchers, start ups, consultants, financial and banking executives, academicians and many more. The company also provides customized research reports to cater the needs of the industry.



INDUSTRY EXPERTS
1-7-19/C, Street No. 8, Habsiguda
Hyderabad – 500007, India
Phone: +91-40-4018-1314
Fax: +91-40-4027-2381
info@industry-experts.com
industry-experts.com

[More about Industry Experts](#)