High Purity Alumina - A Global Market Overview

Description:
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 to have 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.

Contents:
1. Introduction
1.1 Product Outline
1.1.1 What is High Purity Alumina?
1.1.2 Production of High Purity Alumina
1.1.2.1 Hydrolysis of Aluminum Alkoxide
1.1.2.2 In-situ Chemical Vapor Deposition

2. High Purity Alumina Applications - A Market Snapshot
2.1 Light Emitting Diodes (LEDs)
2.1.1 Production of Industrial Sapphires
2.1.1.1 Verneuil Method
2.1.1.2 Czochralski Method (CZ)
2.1.1.3 Kyropoulos Method
2.1.1.4 Heat Exchanger Method (HEM)
2.1.1.5 Edge-Defined Film-Fed Growth Method (EFG)
2.2 Phosphor-Based Applications
2.3 Semiconductors
2.4 Industrial & Other Applications
2.4.1 Abrasives
2.4.2 Automotive Sensors
2.4.3 Ceramics
2.4.4 Medical
2.4.5 Separation Membranes
2.4.6 Sodium Vapor Lamps

3. Key Market Trends
3.1 Growth in Demand for High Purity Alumina Being Propelled by the LED Industry
3.2 LED Sapphires Witnessing Competition from Alternative Technologies
3.3 Will Smartphones Make the “Smart” Move to Sapphire Glass?
3.4 Lithium-Ion Batteries Emerging as a New Opening for High Purity Alumina
3.5 Smaller Applications, too, Driving the Market for HPA
3.6 Alternative Method for Preparing High-Purity, High-Density Alumina Green Body Provides Higher Output

4. Key Global Players
- Altech Chemicals Ltd
- Baikowski SAS
- Coorstek, Inc.
- Nippon Light Metal Co Ltd
- Orbite Technologies Inc.
- Polar Sapphire Ltd.
- Sasol Germany GmbH
- Sumitomo Chemical Co Ltd

5. Key Business Trends
- Additional Samples of 5N and 5N+ Alpha High Purity Alumina Shipped by Orbite
- Altech Chemicals Eyes Chinese Market for High Purity Alumina, Partners with Mitsubishi
- Additional Samples of 5N+ Alpha High Purity Alumina Shipped by Orbite
- Altech Chemicals to Offer Low Cost HPA
- Altech Chemicals Expands Western Australian Kaolin Operations
- Orbite Technologies Granted US Fly Ash Monetization Patent
- First Samples of Orbite's 5N+ High Purity Alumina Dispatched
- Altech Chemicals Obtains Land in Malaysia for HPA Plant
- Orbite and NRC in a HPA Benchmarking Deal
- Sasol Performance Chemicals' Alumina Spheres Production Capacity Expanded
- Orbite Aluminas on Target for Producing Ultra High Purity Alumina
- Construction of Orbite's HPA Manufacturing Plant Commences
- Orbite Procures Technology from Outotec for its HPA Plant
- Over 99.9% High Purity Alumina Produced by AMMG
- Orbite's First Ton of HPA Produced at its Cap-Chat, Québec Plant
- Sumitomo Chemical's South Korea Plant to Commence HPA Production
- Sasol Limited Plans Expansion of Ultra-High Purity Alumina production Capacity

6. Global Market Overview
6.1 Global High Purity Alumina Market Overview by Product Segment
6.1.1 Market Analysis in Tons
6.1.1.1 High Purity Alumina Product Segment Volume Market Overview by Global Region
6.1.1.1.1 4N High Purity Alumina
6.1.1.1.2 5N High Purity Alumina
6.1.1.1.3 6N High Purity Alumina
6.1.2 Market Analysis in USD
6.1.2.1 Global High Purity Alumina Product Segment Value Market Overview by Global Region
6.1.2.1.1 4N High Purity Alumina
6.1.2.1.2 5N High Purity Alumina
6.1.2.1.3 6N High Purity Alumina
6.2 Global High Purity Alumina Market Overview by Application
6.2.1 Market Analysis in Tons
6.2.1.1 Global High Purity Alumina Application Volume Overview by Global Region
6.2.1.1.1 LEDs
6.2.1.1.2 Phosphor-Based Applications
6.2.1.1.3 Semiconductors
6.2.1.1.4 Industrial & Other Applications
6.2.2 Market Analysis in USD
6.2.2.1 Global High Purity Alumina Application Value Market Overview by Global Region
6.2.2.1.1 LEDs
6.2.2.1.2 Phosphor-Based Applications
6.2.2.1.3 Semiconductors
6.2.2.1.4 Industrial & Other Applications

Part B: Regional Market Perspective
Global High Purity Alumina Market Overview by Geographic Region
Market Analysis in Tons
Market Analysis in USD

Regional Market Overview

1. North America
1.1 North American High Purity Alumina Market Overview by Geographic Region
1.1.1 Market Analysis in Tons
1.1.2 Market Analysis in USD
1.2 North American High Purity Alumina Market Overview by Product Segment
1.2.1 Market Analysis in Tons
1.2.1.1 High Purity Alumina Product Segment Volume Market Overview by NA Region
1.2.1.1.1 4N High Purity Alumina
1.2.1.1.2 5N High Purity Alumina
1.2.1.1.3 6N High Purity Alumina
1.2.2 Market Analysis in USD
1.2.2.1 High Purity Alumina Product Segment Value Market Overview by NA Region
1.2.2.1.1 4N High Purity Alumina
1.2.2.1.2 5N High Purity Alumina
1.2.2.1.3 6N High Purity Alumina
1.3 North American High Purity Alumina Market Overview by Application
1.3.1 Market Analysis in Tons
1.3.1.1 High Purity Alumina Application Volume Market Overview by NA Region
1.3.1.1.1 LEDs
1.3.1.1.2 Phosphor-Based Applications
1.3.1.1.3 Semiconductors
1.3.1.1.4 Industrial & Other Applications
1.3.2 Market Analysis in USD
1.3.2.1 High Purity Alumina Application Value Market Overview by NA Region
1.3.2.1.1 LEDs
1.3.2.1.2 Phosphor-Based Applications
1.3.2.1.3 Semiconductors
1.3.2.1.4 Industrial & Other Applications
1.4 Major Market Players
Coorstek, Inc. (United States)
HPA Sonics (United States)
Orbite Technologies Inc. (Canada)
Polar Sapphire Ltd. (Canada)

1.5 North American High Purity Alumina Market Overview by Country
1.5.1 The United States
1.5.1.1 Market Overview by Product Segment
1.5.1.1.1 Market Analysis in Tons
1.5.1.1.2 Market Analysis in USD
1.5.1.2 Market Overview by Application
1.5.1.2.1 Market Analysis in Tons
1.5.1.2.2 Market Analysis in USD

1.5.2 Canada
1.5.2.1 Market Overview by Product Segment
1.5.2.1.1 Market Analysis in Tons
1.5.2.1.2 Market Analysis in USD
1.5.2.2 Market Overview by Application
1.5.2.2.1 Market Analysis in Tons
1.5.2.2.2 Market Analysis in USD

1.5.3 Mexico
1.5.3.1 Market Overview by Product Segment
1.5.3.1.1 Market Analysis in Tons
1.5.3.1.2 Market Analysis in USD
1.5.3.2 Market Overview by Application
1.5.3.2.1 Market Analysis in Tons
1.5.3.2.2 Market Analysis in USD

2. Europe
2.1 European High Purity Alumina Market Overview by Geographic Region
2.1.1 Market Analysis in Tons
2.1.2 Market Analysis in USD
2.2 European High Purity Alumina Market Overview by Product Segment
2.2.1 Market Analysis in Tons
2.2.1.1 High Purity Alumina Product Segment Volume Market Overview by European Region
2.2.1.1.1 4N High Purity Alumina
2.2.1.1.2 5N High Purity Alumina
2.2.1.1.3 6N High Purity Alumina
2.2.2 Market Analysis in USD
2.2.2.1 High Purity Alumina Product Segment Value Market Overview by European Region
2.2.2.1.1 4N High Purity Alumina
2.2.2.1.2 5N High Purity Alumina
2.2.2.1.3 6N High Purity Alumina
2.3 European High Purity Alumina Market Overview by Application
2.3.1 Market Analysis in Tons
2.3.1.1 High Purity Alumina Application Volume Market Overview by European Region
2.3.1.1.1 LEDs
2.3.1.1.2 Phosphor-Based Applications
2.3.1.1.3 Semiconductors
2.3.1.1.4 Industrial & Other Applications
2.3.2 Market Analysis in USD
2.3.2.1 High Purity Alumina Application Value Market Overview by European Region
2.3.2.1.1 LEDs
2.3.2.1.2 Phosphor-Based Applications
2.3.2.1.3 Semiconductors
2.3.2.1.4 Industrial & Other Applications
2.4 Major Market Players
Baikowski SAS (France)
Sasol Germany GmbH (Germany)

2.5 European High Purity Alumina Market Overview by Country
2.5.1 France
2.5.1.1 Market Overview by Product Segment
2.5.1.1.1 Market Analysis in Tons
2.5.1.1.2 Market Analysis in USD
2.5.1.2 Market Overview by Application
2.5.1.2.1 Market Analysis in Tons
2.5.1.2.2 Market Analysis in USD

2.5.2 Germany
2.5.2.1 Market Overview by Product Segment
2.5.2.1.1 Market Analysis in Tons
2.5.2.1.2 Market Analysis in USD
2.5.2.2 Market Overview by Application
2.5.2.2.1 Market Analysis in Tons
2.5.2.2.2 Market Analysis in USD

2.5.3 Italy
2.5.3.1 Market Overview by Product Segment
2.5.3.1.1 Market Analysis in Tons
2.5.3.1.2 Market Analysis in USD
2.5.3.2 Market Overview by Application
2.5.3.2.1 Market Analysis in Tons
2.5.3.2.2 Market Analysis in USD

2.5.4 Spain
2.5.4.1 Market Overview by Product Segment
2.5.4.1.1 Market Analysis in Tons
2.5.4.1.2 Market Analysis in USD
2.5.4.2 Market Overview by Application
2.5.4.2.1 Market Analysis in Tons
2.5.4.2.2 Market Analysis in USD

2.5.5 The United Kingdom
2.5.5.1 Market Overview by Product Segment
2.5.5.1.1 Market Analysis in Tons
2.5.5.1.2 Market Analysis in USD
2.5.5.2 Market Overview by Application
2.5.5.2.1 Market Analysis in Tons
2.5.5.2.2 Market Analysis in USD

2.5.6 Rest of Europe
2.5.6.1 Market Overview by Product Segment
2.5.6.1.1 Market Analysis in Tons
2.5.6.1.2 Market Analysis in USD
2.5.6.2 Market Overview by Application
2.5.6.2.1 Market Analysis in Tons
2.5.6.2.2 Market Analysis in USD

3. Asia-Pacific
3.1 Asia-Pacific High Purity Alumina Market Overview by Geographic Region
3.1.1 Market Analysis in Tons
3.1.2 Market Analysis in USD
3.2 Asia-Pacific High Purity Alumina Market Overview by Product Segment
3.2.1 Market Analysis in Tons
3.2.1.1 High Purity Alumina Product Segment Volume Market Overview by Asia-Pacific Region
3.2.1.1.1 4N High Purity Alumina
3.2.1.1.2 5N High Purity Alumina
3.2.1.1.3 6N High Purity Alumina
3.2.2 Market Analysis in USD
3.2.2.1 High Purity Alumina Product Segment Value Market Overview by Asia-Pacific Region
3.2.2.1.1 4N High Purity Alumina
3.2.2.1.2 5N High Purity Alumina
3.2.2.1.3 6N High Purity Alumina
3.3 Asia-Pacific High Purity Alumina Market Overview by Application
3.3.1 Market Analysis in Tons
3.3.1.1 High Purity Alumina Application Volume Market Overview by Asia-Pacific Region
3.3.1.1.1 LEDs
3.3.1.1.2 Phosphor-Based Applications
3.3.1.1.3 Semiconductors
3.3.1.1.4 Industrial & Other Applications
3.3.2 Market Analysis in USD
3.3.2.1 High Purity Alumina Application Value Market Overview by Asia-Pacific Region
3.3.2.1.1 LEDs
3.3.2.1.2 Phosphor-Based Applications
3.3.2.1.3 Semiconductors
3.3.2.1.4 Industrial & Other Applications
3.4 Major Market Players
Airy Technology Co Ltd (China)
Altech Chemicals Ltd (Australia)
Dalian Hiland Photoelectric Material Co Ltd (China)
HMR Co Ltd (South Korea)
Nippon Light Metal Co Ltd (Japan)
PhiChem Corporation (China)
Sumitomo Chemical Co Ltd (Japan)
Taihei Chemicals Co Ltd (Japan)
Xuancheng Jingrui New Materials Co Ltd (China)
Zibo Honghe Chemical Co Ltd (China)
Zibo Xinfumeng Chemicals Co Ltd (China)
Zibo Xinmeiyu Alumina Co Ltd (China)

3.5 Asia-Pacific High Purity Alumina Market Overview by Country
3.5.1 China
3.5.1.1 Market Overview by Product Segment
3.5.1.1.1 Market Analysis in Tons
3.5.1.1.2 Market Analysis in USD
3.5.1.2 Market Overview by Application
3.5.1.2.1 Market Analysis in Tons
3.5.1.2.2 Market Analysis in USD
3.5.2 Japan
3.5.2.1 Market Overview by Product Segment
3.5.2.1.1 Market Analysis in Tons
3.5.2.1.2 Market Analysis in USD
3.5.2.2 Market Overview by Application
3.5.2.2.1 Market Analysis in Tons
3.5.2.2.2 Market Analysis in USD
3.5.3 South Korea
3.5.3.1 Market Overview by Product Segment
3.5.3.1.1 Market Analysis in Tons
3.5.3.1.2 Market Analysis in USD
3.5.3.2 Market Overview by Application
3.5.3.2.1 Market Analysis in Tons
3.5.3.2.2 Market Analysis in USD
3.5.4 Taiwan
3.5.4.1 Market Overview by Product Segment
3.5.4.1.1 Market Analysis in Tons
3.5.4.1.2 Market Analysis in USD
3.5.4.2 Market Overview by Application
3.5.4.2.1 Market Analysis in Tons
3.5.4.2.2 Market Analysis in USD
3.5.5 Rest of Asia-Pacific
3.5.5.1 Market Overview by Product Segment
3.5.5.1.1 Market Analysis in Tons
3.5.5.1.2 Market Analysis in USD
3.5.5.2 Market Overview by Application
3.5.5.2.1 Market Analysis in Tons
3.5.5.2.2 Market Analysis in USD

4. Rest Of World
4.1 Market Overview by Product Segment
4.1.1 Market Analysis in Tons
4.1.2 Market Analysis in USD
4.2 Market Overview by Application
4.2.1 Market Analysis in Tons
4.2.2 Market Analysis in USD

Part C: Guide To The Industry
1. North America
2. Europe
3. Asia-Pacific
4. Rest Of World

Part D: Annexure
1. Research Methodology
2. Feedback

Charts & Graphs

PART A: Global Market Perspective
Chart 1: Trending of High Purity Alumina Global Consumption in LED Applications (2016-2022) in Tons
Chart 2: Trending of High Purity Alumina Global Consumption in Phosphor-Based Applications (2016-2022) in Tons
Chart 4: Trending of High Purity Alumina Global Consumption in Semiconductor Applications (2016-2022) in Tons
Chart 5: Global High Purity Alumina Market Overview (2012-2022) in Volume (Tons) and Value (USD Million)
Chart 7: Glance at 2012, 2017 and 2022 Global High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
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
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
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
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
Chart 14: Global High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
Chart 15: Glance at 2012, 2017 and 2022 Global High Purity Alumina Value Market Share (%) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications
Chart 16: Global High Purity Alumina Market Analysis (2012-2022) by Geographic Region - North America, Europe, Asia-Pacific and Rest of World in USD Million
Chart 17: Glance at 2012, 2017 and 2022 Global High Purity Alumina Value Market Share (%) by Geographic Region - North America, Europe, Asia-Pacific and Rest of World
Chart 18: Global High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
Chart 19: Glance at 2012, 2017 and 2022 Global High Purity Alumina Value Market Share (%) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications
Chart 20: Global High Purity Alumina Market Analysis (2012-2022) by Geographic Region - North America, Europe, Asia-Pacific and Rest of World
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
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
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
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
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
Chart 32: Global High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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
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 Million
Chart 35: Glance at 2012, 2017 and 2022 Global High Purity Alumina Value Market Share (%) by Geographic Region - North America, Europe, Asia-Pacific and Rest of World
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 Million
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
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 Million
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 Million
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

Part B: Regional Market Perspective
Chart 44: Glance at 2012, 2017 and 2022 North American High Purity Alumina Volume Market Share (%) by Geographic Region - United States, Canada and Mexico
Chart 45: North American High Purity Alumina Market Analysis (2012-2022) by Geographic Region - United States, Canada and Mexico in Tons
Chart 46: Glance at 2012, 2017 and 2022 North American High Purity Alumina Value Market Share (%) by Geographic Region - United States, Canada and Mexico in USD Million

Regional Market Overview

North America
Chart 47: North American High Purity Alumina Market Overview (2012-2022) in Volume (Tons) and Value (USD Million)
Chart 49: Glance at 2012, 2017 and 2022 North American High Purity Alumina Volume Market Share (%) by Geographic Region - United States, Canada and Mexico
Chart 50: North American High Purity Alumina Market Analysis (2012-2022) by Geographic Region - United States, Canada and Mexico in USD Million
Chart 51: Glance at 2012, 2017 and 2022 North American High Purity Alumina Value Market Share (%) by Geographic Region - United States, Canada and Mexico
Chart 53: Glance at 2012, 2017 and 2022 North American High Purity Alumina Volume Market Share (%) by Geographic Region - United States, Canada and Mexico in Tons
Chart 54: North American High Purity Alumina Market Analysis (2012-2022) by Geographic Region - United States, Canada and Mexico in USD Million
Chart 55: North American High Purity Alumina Value Market Share (%) by Geographic Region - United States, Canada and Mexico
Product Segment - 4N, 5N and 6N
Chart 54: North American 4N High Purity Alumina Market Analysis (2012-2022) by Geographic Region - United States, Canada and Mexico in Tons
Chart 56: North American 5N High Purity Alumina Market Analysis (2012-2022) by Geographic Region - United States, Canada and Mexico in Tons
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
Chart 58: North American 6N High Purity Alumina Market Analysis (2012-2022) by Geographic Region - United States, Canada and Mexico in Tons
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
Chart 62: North American 4N High Purity Alumina Market Analysis (2012-2022) by Geographic Region - United States, Canada and Mexico in USD Million
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
Chart 64: North American 5N High Purity Alumina Market Analysis (2012-2022) by Geographic Region - United States, Canada and Mexico in USD Million
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
Chart 66: North American 6N High Purity Alumina Market Analysis (2012-2022) by Geographic Region - United States, Canada and Mexico in USD Million
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
Chart 68: North American High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
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
Chart 70: North American High Purity Alumina Market Analysis (2012-2022) in LEDs by Geographic Region - United States, Canada and Mexico in Tons
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
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
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
Chart 74: North American High Purity Alumina Market Analysis (2012-2022) in Semiconductors by Geographic Region - United States, Canada and Mexico in Tons
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
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
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
Chart 78: North American High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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
Chart 80: North American High Purity Alumina Market Analysis (2012-2022) in LEDs by Geographic Region - United States, Canada and Mexico in USD Million
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
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
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
Chart 84: North American High Purity Alumina Market Analysis (2012-2022) in Semiconductors by Geographic Region - United States, Canada and Mexico in USD Million
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
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
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

The United States
Chart 89: Glance at 2012, 2017 and 2022 United States High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 90: United States High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 91: Glance at 2012, 2017 and 2022 United States High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 92: United States High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
Chart 93: Glance at 2012, 2017 and 2022 United States High Purity Alumina Volume Market Share (%) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications
Chart 94: United States High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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

Canada
Chart 96: Canadian High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in Tons
Chart 97: Glance at 2012, 2017 and 2022 Canadian High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 98: Canadian High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 99: Glance at 2012, 2017 and 2022 Canadian High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 100: Canadian High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
Chart 101: Glance at 2012, 2017 and 2022 Canadian High Purity Alumina Volume Market Share (%) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications
Chart 102: Canadian High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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

Mexico
Chart 104: Mexican High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in Tons
Chart 105: Glance at 2012, 2017 and 2022 Mexican High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 106: Mexican High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 107: Glance at 2012, 2017 and 2022 Mexican High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 108: Mexican High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
Chart 109: Glance at 2012, 2017 and 2022 Mexican High Purity Alumina Volume Market Share (%) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications
Chart 110: Mexican High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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

Europe
Chart 112: European High Purity Alumina Market Overview (2012-2022) in Volume (Tons) and Value (USD
Million

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
Chart 114: Glance at 2012, 2017 and 2022 European High Purity Alumina Volume Market Share (%) by Geographic Region - France, Germany, Italy, Spain, United Kingdom and Rest of Europe
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
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
Chart 118: Glance at 2012, 2017 and 2022 European High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
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
Chart 120: Glance at 2012, 2017 and 2022 4N European High Purity Alumina Volume Market Share (%) by Geographic Region - France, Germany, Italy, Spain, United Kingdom and Rest of Europe
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
Chart 122: Glance at 2012, 2017 and 2022 5N European High Purity Alumina Volume Market Share (%) by Geographic Region - France, Germany, Italy, Spain, United Kingdom and Rest of Europe
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
Chart 124: Glance at 2012, 2017 and 2022 6N European High Purity Alumina Volume Market Share (%) by Geographic Region - France, Germany, Italy, Spain, United Kingdom and Rest of Europe
Chart 125: European High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
Chart 126: Glance at 2012, 2017 and 2022 European High Purity Alumina Volume Market Share (%) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications
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
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
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
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
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
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
Chart 133: European High Purity Alumina Market Analysis (2012-2022) in LEDs by Geographic Region - France, Germany, Italy, Spain, United Kingdom and Rest of Europe
Chart 134: 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
Chart 135: European High Purity Alumina Market Analysis (2012-2022) in Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
Chart 136: Glance at 2012, 2017 and 2022 European High Purity Alumina Volume Market Share (%) in Phosphor-Based, Semiconductors and Industrial & Other Applications by Geographic Region - France, Germany, Italy, Spain, United Kingdom and Rest of Europe in Tons
Chart 137: European High Purity Alumina Market Analysis (2012-2022) in Semiconductors by Geographic Region - France, Germany, Italy, Spain, United Kingdom and Rest of Europe
Chart 138: 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
Chart 139: 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
Chart 140: 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
Chart 141: European High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications
Chart 142: Glance at 2012, 2017 and 2022 European High Purity Alumina Volume Market Share (%) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications
Chart 143: European High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-
Based, Semiconductors and Industrial & Other Applications in USD Million
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
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
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
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
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
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
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
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
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

France
Chart 154: Glance at 2012, 2017 and 2022 French High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 155: French High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 156: Glance at 2012, 2017 and 2022 French High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 157: French High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
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
Chart 159: French High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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

Germany
Chart 161: German High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in Tons
Chart 162: Glance at 2012, 2017 and 2022 German High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 163: German High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 164: Glance at 2012, 2017 and 2022 German High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 165: German High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
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
Chart 167: German High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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

Italy
Chart 170: Glance at 2012, 2017 and 2022 Italian High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
RESEARCH AND MARKETS

Chart 171: Italian High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 172: Glance at 2012, 2017 and 2022 Italian High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 173: Italian High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
Chart 174: Glance at 2012, 2017 and 2022 Italian High Purity Alumina Volume Market Share (%) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications
Chart 175: Italian High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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

Spain
Chart 177: Spanish High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in Tons
Chart 178: Glance at 2012, 2017 and 2022 Spanish High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 179: Spanish High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 180: Glance at 2012, 2017 and 2022 Spanish High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 181: Spanish High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
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
Chart 183: Spanish High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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

The United Kingdom
Chart 185: United Kingdom High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in Tons
Chart 186: Glance at 2012, 2017 and 2022 United Kingdom High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 187: United Kingdom High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 188: Glance at 2012, 2017 and 2022 United Kingdom High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 189: United Kingdom High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
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
Chart 191: United Kingdom High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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

Rest of Europe
Chart 193: Rest of Europe High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in Tons
Chart 194: Glance at 2012, 2017 and 2022 Rest of Europe High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 195: Rest of Europe High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 196: Glance at 2012, 2017 and 2022 Rest of Europe High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 197: Rest of Europe High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
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
Chart 199: Rest of Europe High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-
Semiconductors by Geographic Region - China, Japan, South Korea, Taiwan and Rest of Asia-Pacific
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
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
Chart 232: Asia-Pacific High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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
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
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
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
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
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
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
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
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

China
Chart 244: Chinese High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 245: Glance at 2012, 2017 and 2022 Chinese High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 246: Chinese High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
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
Chart 248: Chinese High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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

Japan
Chart 251: Glance at 2012, 2017 and 2022 Japanese High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 252: Japanese High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 253: Glance at 2012, 2017 and 2022 Japanese High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 254: Japanese High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
Chart 255: Glance at 2012, 2017 and 2022 Japanese High Purity Alumina Volume Market Share (%) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications
Chart 256: Japanese High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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

South Korea
Chart 258: South Korean High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in Tons
Chart 259: Glance at 2012, 2017 and 2022 South Korean High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 260: South Korean High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 261: Glance at 2012, 2017 and 2022 South Korean High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 262: South Korean High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
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
Chart 264: South Korean High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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

Taiwan
Chart 266: Taiwanese High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in Tons
Chart 267: Glance at 2012, 2017 and 2022 Taiwanese High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 268: Taiwanese High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 269: Glance at 2012, 2017 and 2022 Taiwanese High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 270: Taiwanese High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
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
Chart 272: Taiwanese High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in USD Million
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

Rest of Asia-Pacific
Chart 274: Rest of Asia-Pacific High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in Tons
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
Chart 276: Rest of Asia-Pacific High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
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
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
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
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
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

Rest Of World
Chart 282: Rest of World High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in Tons
Chart 283: Glance at 2012, 2017 and 2022 Rest of World High Purity Alumina Volume Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 284: Rest of World High Purity Alumina Market Analysis (2012-2022) by Product Segment - 4N, 5N and 6N in USD Million
Chart 285: Glance at 2012, 2017 and 2022 Rest of World High Purity Alumina Value Market Share (%) by Product Segment - 4N, 5N and 6N
Chart 286: Rest of World High Purity Alumina Market Analysis (2012-2022) by Application - LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications in Tons
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
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
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

Ordering:

Order Online - http://www.researchandmarkets.com/reports/3641398/

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: High Purity Alumina - A Global Market Overview
Web Address: http://www.researchandmarkets.com/reports/3641398/
Office Code: SCBRIQPD

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 4050</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
<td>USD 6750</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: 
Mr [] Mrs [] Dr [] Miss [] Ms [] Prof []
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ________________________________________________________________
City: ________________________________________________________________
Postal / Zip Code: _______________________________________________________
Country: ______________________________________________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: 

You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: 

Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer:

Please transfer funds to:
Account number: 833 130 83
Sort code: 98-53-30
Swift code: ULSBIE2D
IBAN number: IE78ULSB98533083313083
Bank Address: Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World