

# 2018 Top 5 Chitosan Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

https://marketpublishers.com/r/2A7B4A88200EN.html

Date: July 2018 Pages: 142 Price: US\$ 4,960.00 (Single User License) ID: 2A7B4A88200EN

# **Abstracts**

The report requires updating with new data and is sent in 48 hours after order is placed.

Chitosan is a derivative of chitin obtained by treating the chitin in a concentrated sodium hydroxide bath at elevated temperature. Chitosan, which is soluble in acidic aqueous media, is used in many applications (food, cosmetics, biomedical and pharmaceutical applications).

Chitosan is extracted from chitin, insoluble in water but soluble in dilute acid and absorbed by human body. As the first derivate, its chemical constitution is macromolecule alkalescent polysaccharide polymer with cation. It has peculiar physical, chemical properties and bioactive function.

Chitosan can mostly be applied in the following industries: textile, dyeing and printing, leather, tobacco, plastics, food additive, fodder, pharmaceutics, color film, paper manufacturing, biological engineering, agriculture protecting and dispose waste water etc., or widely used in health food and food additives.

Chitosan are highly concentrated in the regions: China, USA, Europe and Japan. In 2015, China and Europe achieved the production were 5401 MT and 2770 MT, which were estimated to hold the production market share of 43.32% and 22.22%

respectively. USA is another significant produce region, whose production market share was 17.63% in 2015.

Over the next five years, LPI(LP Information) projects that Chitosan will register a 6.7% CAGR in terms of revenue, reach US\$ 690 million by 2023, from US\$ 470 million in 2017.

This report studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region,



with sales, price, revenue and market share from 2013 to 2018, the top players:

Primex

Agratech

ADVANCED BIOPOLYMERS

Novamatrix

Dainichiseika Color & Chemicals

Bioline

Fuda

Fengrun

Golden Shell

Huashan

Haixin

Haizhiyuan

Haidebei Marine

Yunzhou

Hecreat

Market Segment by Regions, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)



Asia-Pacific (China, Japan, Southeast Asia, India and Korea)

Europe (Germany, UK, France, Italy and Russia etc.)

South America (Brazil, Chile, Peru and Argentina)

Middle East and Africa (Egypt, South Africa, Saudi Arabia)

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

Industrial Grade

Food Grade

Pharmaceutical Grade

Others

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Water and Waste Treatment

Agriculture and Agrochemicals

**Cosmetics and Toiletries** 

Healthcare and Medical

Food and Beverages

Others

2018 Top 5 Chitosan Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa



# Contents

### **1 CHITOSAN MARKET OVERVIEW**

- 1.1 Product Overview and Scope of Chitosan
- 1.2 Chitosan Segment by Types
- 1.2.1 Global Sales Market Share of Chitosan by Types in 2017
- 1.2.2 Industrial Grade
- 1.2.2.1 Major Players of Type I
- 1.2.3 Food Grade
- 1.2.3.1 Major Players of Food Grade
- 1.2.4 Pharmaceutical Grade
- 1.2.4.1 Major Players of Pharmaceutical Grade
- 1.2.5 Others
- 1.2.5.1 Major Players of Others
- 1.3 Chitosan Segment by Applications
  - 1.3.1 Chitosan Sales Market Share by Applications in 2017
  - 1.3.2 Water and Waste Treatment
  - 1.3.3 Agriculture and Agrochemicals
  - 1.3.4 Cosmetics and Toiletries
  - 1.3.5 Healthcare and Medical
  - 1.3.6 Food and Beverages
  - 1.3.7 Others
- 1.4 Chitosan Market by Regions
  - 1.4.1 North America Status and Prospect (2013-2023)

1.4.1.1 North America Chitosan Revenue (Million USD) and Growth Rate (2013-2023)

1.4.2 Asia-Pacific Status and Prospect (2013-2023)

1.4.2.1 Asia-Pacific Chitosan Revenue (Million USD) and Growth Rate (2013-2023)

- 1.4.3 Europe Status and Prospect (2013-2023)
  - 1.4.3.1 Europe Chitosan Revenue (Million USD) and Growth Rate (2013-2023)
- 1.4.4 South America Status and Prospect (2013-2023)

1.4.4.1 South America Chitosan Revenue (Million USD) and Growth Rate (2013-2023)

1.4.5 Middle East and Africa Status and Prospect (2013-2023)

1.4.5.1 Middle East and Africa Chitosan Revenue (Million USD) and Growth Rate (2013-2023)

1.5 Global Market Size (Value) of Chitosan (2013-2023)



# 2 GLOBAL CHITOSAN SALES, REVENUE (VALUE) AND MARKET SHARE BY PLAYERS

- 2.1 Global Chitosan Sales and Market Share by Players in 2016 and 2017
- 2.1.1 Global Chitosan Sales by Players in 2016 and 2017
- 2.1.2 Global Chitosan Sales Market Share (%) by Players in 2016 and 2017
- 2.2 Global Chitosan Revenue and Market Share by Players in 2016 and 2017
- 2.2.1 Global Chitosan Revenue by Players in 2016 and 2017
- 2.2.2 Global Chitosan Revenue Market Share (%) by Players in 2016 and 2017
- 2.3 Global Chitosan Average Price by Players in 2016 and 2017

2.4 Global Chitosan Manufacturing Base Distribution, Sales Area, Product Types by Players

- 2.4.1 Global Chitosan Manufacturing Base Distribution and Sales Area by Players
- 2.4.2 Players Chitosan Product Types
- 2.5 Chitosan Market Competitive Situation and Trends
- 2.5.1 Chitosan Market Concentration Rate
- 2.5.2 Chitosan Market Share of Top 3 and Top 5 Players
- 2.5.3 Mergers & Acquisitions, Expansion

# 3 GLOBAL CHITOSAN SALES, REVENUE (VALUE) BY REGIONS, TYPE AND APPLICATION (2013-2018)

- 3.1 Global Chitosan Sales, Revenue and Market Share by Regions (2013-2018)
  - 3.1.1 Global Chitosan Sales and Market Share by Regions (2013-2018)
- 3.1.2 Global Chitosan Revenue and Market Share by Regions (2013-2018)
- 3.2 Global Chitosan Sales, Revenue, Market Share and Price by Type (2013-2018)
- 3.2.1 Global Chitosan Sales and Market Share by Type (2013-2018)
- 3.2.2 Global Chitosan Revenue and Market Share by Type (2013-2018)
- 3.2.3 Global Chitosan Price by Type (2013-2018)
- 3.3 Global Chitosan Sales and Market Share by Application (2013-2018)
  - 3.3.1 Global Chitosan Sales by Application (2013-2018)
- 3.3.2 Global Chitosan Sales Market Share by Application (2013-2018)
- 3.4 Global Chitosan Sales, Revenue, Price and Gross Margin (2013-2018)

# 4 NORTH AMERICA TOP 5 PLAYERS CHITOSAN SALES, REVENUE AND PRICE

4.1 North America Top 5 Players Chitosan Sales, Revenue and Market Share in 2016 and 2017

4.1.1 North America Top 5 Players Chitosan Sales and Market Share in 2016 and



2017

4.1.2 North America Top 5 Players Chitosan Revenue and Market Share in 2016 and 2017

4.2 North America Chitosan Sales, Revenue, Market Share and Price by Type (2013-2018)

4.2.1 North America Chitosan Sales and Market Share by Type (2013-2018)

4.2.1.1 North America Chitosan Sales by Type (2013-2018)

4.2.1.2 North America Chitosan Sales Market Share by Type (2013-2018)

4.2.2 North America Chitosan Revenue and Market Share by Type (2013-2018)

4.2.2.1 North America Chitosan Revenue by Type (2013-2018)

4.2.2.2 North America Chitosan Revenue Market Share by Type (2013-2018)

4.2.3 North America Chitosan Price by Type (2013-2018)

4.3 North America Chitosan Sales and Market Share by Application (2013-2018)

4.3.1 North America Chitosan Sales by Application (2013-2018)

4.3.2 North America Chitosan Sales Market Share by Application (2013-2018) 4.4 North America Chitosan Sales and Market Share by Country (US, Canada and Mexico) (2013-2018)

4.4.1 North America Chitosan Sales by Country (2013-2018)

4.4.2 North America Chitosan Sales Market Share by Country (2013-2018)

4.5 North America Chitosan Import & Export (2013-2018)

# 5 EUROPE TOP 5 PLAYERS CHITOSAN SALES, REVENUE AND PRICE

5.1 Europe Top 5 Players Chitosan Sales, Revenue and Market Share in 2016 and 2017

5.1.1 Europe Top 5 Players Chitosan Sales and Market Share in 2016 and 2017

5.1.2 Europe Top 5 Players Chitosan Revenue and Market Share in 2016 and 2017

5.2 Europe Chitosan Sales, Revenue, Market Share and Price by Type (2013-2018)

5.2.1 Europe Chitosan Sales and Market Share by Type (2013-2018)

5.2.1.1 Europe Chitosan Sales by Type (2013-2018)

5.2.1.2 Europe Chitosan Sales Market Share by Type (2013-2018)

5.2.2 Europe Chitosan Revenue and Market Share by Type (2013-2018)

5.2.2.1 Europe Chitosan Revenue by Type (2013-2018)

5.2.2.2 Europe Chitosan Revenue Market Share by Type (2013-2018)

5.2.3 Europe Chitosan Price by Type (2013-2018)

5.3 Europe Chitosan Sales and Market Share by Application (2013-2018)

5.3.1 Europe Chitosan Sales by Application (2013-2018)

5.3.2 Europe Chitosan Sales Market Share by Application (2013-2018)

5.4 Europe Chitosan Sales and Market Share by Country (Germany, UK, France, Italy



and Russia) (2013-2018)

5.4.1 Europe Chitosan Sales by Country (2013-2018)

5.4.2 Europe Chitosan Sales Market Share by Country (2013-2018)

5.5 Europe Chitosan Import & Export (2013-2018)

# 6 ASIA-PACIFIC TOP 5 PLAYERS CHITOSAN SALES, REVENUE AND PRICE

6.1 Asia-Pacific Top 5 Players Chitosan Sales, Revenue and Market Share in 2016 and 2017

6.1.1 Asia-Pacific Top 5 Players Chitosan Sales and Market Share in 2016 and 2017

6.1.2 Asia-Pacific Top 5 Players Chitosan Revenue and Market Share in 2016 and 2017

6.2 Asia-Pacific Chitosan Sales, Revenue, Market Share and Price by Type (2013-2018)

6.2.1 Asia-Pacific Chitosan Sales and Market Share by Type (2013-2018)

6.2.1.1 Asia-Pacific Chitosan Sales by Type (2013-2018)

6.2.1.2 Asia-Pacific Chitosan Sales Market Share by Type (2013-2018)

6.2.2 Asia-Pacific Chitosan Revenue and Market Share by Type (2013-2018)

6.2.3 Asia-Pacific Chitosan Price by Type (2013-2018)

6.3 Asia-Pacific Chitosan Sales and Market Share by Application (2013-2018)

6.3.1 Asia-Pacific Chitosan Sales by Application (2013-2018)

6.3.2 Asia-Pacific Chitosan Sales Market Share by Application (2013-2018)

6.4 Asia-Pacific Chitosan Sales and Market Share by Country (China, Japan, Southeast Asia, India, Korea and Australia) (2013-2018)

6.4.1 Asia-Pacific Chitosan Sales by Country (2013-2018)

6.4.2 Asia-Pacific Chitosan Sales Market Share by Country (2013-2018)

6.5 Asia-Pacific Chitosan Import & Export (2013-2018)

# 7 SOUTH AMERICA TOP 5 PLAYERS CHITOSAN SALES, REVENUE AND PRICE

7.1 South America Top 5 Players Chitosan Sales, Revenue and Market Share in 2016 and 2017

7.1.1 South America Top 5 Players Chitosan Sales and Market Share in 2016 and 2017

7.1.2 South America Top 5 Players Chitosan Revenue and Market Share in 2016 and 2017

7.2 South America Chitosan Sales, Revenue, Market Share and Price by Type (2013-2018)

7.2.1 South America Chitosan Sales and Market Share by Type (2013-2018)



7.2.1.1 South America Chitosan Sales by Type (2013-2018)

7.2.1.2 South America Chitosan Sales Market Share by Type (2013-2018)

7.2.2 South America Chitosan Revenue and Market Share by Type (2013-2018)

7.2.2.1 South America Chitosan Revenue by Type (2013-2018)

7.2.2.2 South America Chitosan Revenue and Market Share by Type (2013-2018)

7.2.3 South America Chitosan Price by Type (2013-2018)

7.3 South America Chitosan Sales and Market Share by Application (2013-2018)

7.3.1 South America Chitosan Sales by Application (2013-2018)

7.3.2 South America Chitosan Sales Market Share by Application (2013-2018)

7.4 South America Chitosan Sales and Market Share by Country (Brazil, Argentina, Chile and Peru) (2013-2018)

7.4.1 South America Chitosan Sales by Country (2013-2018)

7.4.2 South America Chitosan Sales Market Share by Country (2013-2018)

7.5 South America Chitosan Import & Export (2013-2018)

# 8 MIDDLE EAST & AFRICA TOP 5 PLAYERS CHITOSAN SALES, REVENUE AND PRICE

8.1 Middle East & Africa Top 5 Players Chitosan Sales, Revenue and Market Share in 2016 and 2017

8.1.1 Middle East & Africa Top 5 Players Chitosan Sales and Market Share in 2016 and 2017

8.1.2 Middle East & Africa Top 5 Players Chitosan Revenue and Market Share in 2016 and 2017

8.2 Middle East & Africa Chitosan Sales, Revenue, Market Share and Price by Type (2013-2018)

8.2.1 Middle East & Africa Chitosan Sales and Market Share by Type (2013-2018)

8.2.1.1 Middle East & Africa Chitosan Sales by Type (2013-2018)

8.2.1.2 Middle East & Africa Chitosan Sales Market Share by Type (2013-2018)

8.2.2 Middle East & Africa Chitosan Revenue and Market Share by Type (2013-2018)

8.2.2.1 Middle East & Africa Chitosan Revenue by Type (2013-2018)

8.2.2.2 Middle East & Africa Chitosan Revenue Market Share by Type (2013-2018) 8.2.3 Middle East & Africa Chitosan Price by Type (2013-2018)

8.3 Middle East & Africa Chitosan Sales and Market Share by Application (2013-2018)8.3.1 Middle East & Africa Chitosan Sales by Application (2013-2018)

8.3.2 Middle East & Africa Chitosan Sales Market Share by Application (2013-2018)8.4 Middle East & Africa Chitosan Sales and Market Share by Country (Egypt, Saudi Arabia, South Africa and Iran) (2013-2018)

8.4.1 Middle East & Africa Chitosan Sales by Country (2013-2018)



8.4.2 Middle East & Africa Chitosan Sales Market Share by Country (2013-2018) 8.5 Middle East & Africa Chitosan Import & Export (2013-2018)

## 9 GLOBAL CHITOSAN PLAYERS PROFILES/ANALYSIS

9.1 Primex

9.1.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

- 9.1.2 Chitosan Product Types, Application and Specification
- 9.1.2.1 Product A
- 9.1.2.2 Product B
- 9.1.3 Primex Chitosan Sales, Revenue, Price and Gross Margin (2013-2018)
- 9.1.4 Main Business/Business Overview
- 9.1.5 Primex News
- 9.2 Agratech

9.2.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

- 9.2.2 Chitosan Product Types, Application and Specification
- 9.2.2.1 Product A
- 9.2.2.2 Product B
- 9.2.3 Agratech Chitosan Sales, Revenue, Price and Gross Margin (2013-2018)
- 9.2.4 Main Business/Business Overview
- 9.2.5 Agratech News
- 9.3 ADVANCED BIOPOLYMERS
- 9.3.1 Company Basic Information, Manufacturing Base, Sales Area and Its

Competitors

9.3.2 Chitosan Product Types, Application and Specification

9.3.2.1 Product A

9.3.2.2 Product B

9.3.3 ADVANCED BIOPOLYMERS Chitosan Sales, Revenue, Price and Gross Margin (2013-2018)

- 9.3.4 Main Business/Business Overview
- 9.3.5 ADVANCED BIOPOLYMERS News
- 9.4 Novamatrix
  - 9.4.1 Company Basic Information, Manufacturing Base, Sales Area and Its

Competitors

- 9.4.2 Chitosan Product Types, Application and Specification
  - 9.4.2.1 Product A
  - 9.4.2.2 Product B



9.4.3 Novamatrix Chitosan Sales, Revenue, Price and Gross Margin (2013-2018)

- 9.4.4 Main Business/Business Overview
- 9.4.5 Novamatrix News

9.5 Dainichiseika Color & Chemicals

9.5.1 Company Basic Information, Manufacturing Base, Sales Area and Its

Competitors

9.5.2 Chitosan Product Types, Application and Specification

9.5.2.1 Product A

9.5.2.2 Product B

9.5.3 Dainichiseika Color & Chemicals Chitosan Sales, Revenue, Price and Gross Margin (2013-2018)

9.5.4 Main Business/Business Overview

9.5.5 Dainichiseika Color & Chemicals News

9.6 Bioline

9.6.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

9.6.2 Chitosan Product Types, Application and Specification

9.6.2.1 Product A

9.6.2.2 Product B

9.6.3 Bioline Chitosan Sales, Revenue, Price and Gross Margin (2013-2018)

9.6.4 Main Business/Business Overview

9.6.5 Bioline News

9.7 Fuda

9.7.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

9.7.2 Chitosan Product Types, Application and Specification

9.7.2.1 Product A

9.7.2.2 Product B

9.7.3 Fuda Chitosan Sales, Revenue, Price and Gross Margin (2013-2018)

9.7.4 Main Business/Business Overview

9.7.5 Fuda News

9.8 Fengrun

9.8.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors

9.8.2 Chitosan Product Types, Application and Specification

9.8.2.1 Product A

9.8.2.2 Product B

9.8.3 Fengrun Chitosan Sales, Revenue, Price and Gross Margin (2013-2018)

9.8.4 Main Business/Business Overview



- 9.8.5 Fengrun News
- 9.9 Golden Shell
- 9.9.1 Company Basic Information, Manufacturing Base, Sales Area and Its

Competitors

- 9.9.2 Chitosan Product Types, Application and Specification
  - 9.9.2.1 Product A
  - 9.9.2.2 Product B
- 9.9.3 Golden Shell Chitosan Sales, Revenue, Price and Gross Margin (2013-2018)
- 9.9.4 Main Business/Business Overview
- 9.9.5 Golden Shell News
- 9.10 Huashan
- 9.10.1 Company Basic Information, Manufacturing Base, Sales Area and Its

Competitors

- 9.10.2 Chitosan Product Types, Application and Specification
- 9.10.2.1 Product A
- 9.10.2.2 Product B
- 9.10.3 Huashan Chitosan Sales, Revenue, Price and Gross Margin (2013-2018)
- 9.10.4 Main Business/Business Overview
- 9.10.5 Huashan News
- 9.11 Haixin
- 9.12 Haizhiyuan
- 9.13 Haidebei Marine
- 9.14 Yunzhou
- 9.15 Hecreat

# 10 GLOBAL CHITOSAN MARKET FORECAST (2018-2023)

- 10.1 Global Chitosan Sales, Revenue Forecast (2018-2023)
- 10.2 Global Chitosan Sales, Consumption Forecast by Regions (2018-2023)
- 10.2.1 Global Chitosan Sales Forecast by Regions (2018-2023)
- 10.2.2 Global Chitosan Sales Market Share Forecast by Regions (2018-2023)
- 10.3 Global Chitosan Sales and Market Share Forecast by Type (2018-2023)
- 10.3.1 Global Chitosan Sales Forecast by Type (2018-2023)
- 10.3.2 Global Chitosan Sales Market Share Forecast by Type (2018-2023)
- 10.4 Global Chitosan Sales and Market Share Forecast by Application (2018-2023)
- 10.4.1 Global Chitosan Sales Forecast by Application (2018-2023)
- 10.4.2 Global Chitosan Sales Market Share Forecast by Application (2018-2023)
- 10.5 Chitosan Price Forecast (2018-2023)



### **11 CHITOSAN MANUFACTURING COST ANALYSIS**

- 11.1 Chitosan Key Raw Materials Analysis
  - 11.1.1 Key Raw Materials
  - 11.1.2 Price Trend of Key Raw Materials
  - 11.1.3 Key Suppliers of Raw Materials
- 11.1.4 Market Concentration Rate of Raw Materials
- 11.2 Proportion of Manufacturing Cost Structure
- 11.2.1 Raw Materials
- 11.2.2 Labor Cost
- 11.2.3 Manufacturing Expenses
- 11.3 Manufacturing Process Analysis of Chitosan

#### 12 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

- 12.1 Chitosan Industrial Chain Analysis
- 12.2 Upstream Raw Materials Sourcing
- 12.3 Raw Materials Sources of Chitosan Major Players in 2017
- 12.4 Downstream Buyers

#### **13 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS**

- 13.1 Marketing Channel
  - 13.1.1 Direct Marketing
  - 13.1.2 Indirect Marketing
- 13.1.3 Marketing Channel Development Trend
- 13.2 Market Positioning
  - 13.2.1 Pricing Strategy
  - 13.2.2 Brand Strategy
  - 13.2.3 Target Client
- 13.3 Distributors/Traders List

#### 14 MARKET EFFECT FACTORS ANALYSIS

- 14.1 Technology Progress/Risk
- 14.1.1 Substitutes Threat
- 14.1.2 Technology Progress in Related Industry
- 14.2 Consumer Needs/Customer Preference Change
- 14.3 Economic/Political Environmental Change



### **15 RESEARCH FINDINGS AND CONCLUSION**

#### **16 APPENDIX**

16.1 Methodology

16.2 Data Source

2018 Top 5 Chitosan Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa



# **List Of Tables**

#### LIST OF TABLES AND FIGURES

Figure Picture of Chitosan Table Product Specifications of Chitosan Figure Global Sales Market Share of Chitosan by Types in 2017 Figure Product Picture of Industrial Grade Table Major Players of Industrial Grade Figure Product Picture of Food Grade Table Major Players of Food Grade Figure Product Picture of Pharmaceutical Grade Table Major Players of Pharmaceutical Grade **Figure Product Picture of Others** Table Major Players of Others Figure Chitosan Sales Market Share by Applications in 2017 Table Applications of Chitosan Figure Agriculture and Agrochemicals Examples Figure Cosmetics and Toiletries Examples Figure Healthcare and Medical Examples Figure Food and Beverages Examples Figure Others Examples Figure North America Chitosan Revenue (Million USD) and Growth Rate (2013-2023) Figure Asia-Pacific Chitosan Revenue (Million USD) and Growth Rate (2013-2023) Figure Europe Chitosan Revenue (Million USD) and Growth Rate (2013-2023) Figure South America Chitosan Revenue (Million USD) and Growth Rate (2013-2023) Figure Middle East and Africa Chitosan Revenue (Million USD) and Growth Rate (2013 - 2023)Figure Global Chitosan Revenue (Million USD) and Growth Rate (2013-2023) Table Global Chitosan Sales by Players in 2016 and 2017 Table Global Chitosan Sales Market Share (%) by Players in 2016 and 2017 Figure Global Chitosan Sales Market Share by Players in 2016 Figure Global Chitosan Sales Market Share by Players in 2017 Table Global Chitosan Revenue by Players in 2016 and 2017 Table Global Chitosan Revenue Market Share (%) by Players in 2016 and 2017 Figure Global Chitosan Revenue Market Share by Players in 2016 Figure Global Chitosan Revenue Market Share by Players in 2017 Table Global Chitosan Average Price by Players in 2016 and 2017 Figure Global Chitosan Average Price by Players in 2017



Table Global Chitosan Manufacturing Base Distribution and Sales Area by Players Table Players Chitosan Product Types Figure Chitosan Market Share of Top 3 Players Figure Chitosan Market Share of Top 5 Players Table Global Chitosan Sales by Regions (2013-2018) Table Global Chitosan Sales Market Share by Regions (2013-2018) Figure Global Chitosan Sales Market Share by Regions (2013-2018) Figure Global Chitosan Sales Market Share by Regions in 2017 Table Global Chitosan Revenue by Regions (2013-2018) Table Global Chitosan Revenue Market Share by Regions (2013-2018) Figure Global Chitosan Revenue Market Share by Regions (2013-2018) Figure Global Chitosan Revenue Market Share by Regions in 2017 Table Global Chitosan Sales by Type (2013-2018) Table Global Chitosan Sales Market Share by Type (2013-2018) Figure Global Chitosan Sales Market Share by Type (2013-2018) Figure Global Chitosan Sales Market Share by Type in 2017 Table Global Chitosan Revenue by Type (2013-2018) Table Global Chitosan Revenue Market Share by Type (2013-2018) Figure Global Chitosan Revenue Market Share by Type (2013-2018) Figure Global Chitosan Revenue Market Share by Type in 2017 Table Global Chitosan Price by Type (2013-2018) Table Global Chitosan Sales by Application (2013-2018) Figure Global Chitosan Sales Market Share by Application in 2017 Table Global Chitosan Sales Market Share by Application (2013-2018) Figure Global Chitosan Sales Market Share by Application (2013-2018) Table Global Chitosan Sales, Revenue, Price and Gross Margin (2013-2018) Table North America Top 5 Players Chitosan Sales in 2016 and 2017 Table North America Top 5 Players Chitosan Sales Market Share (%) in 2016 and 2017 Figure North America Top 5 Players Chitosan Sales Share in 2016 Figure North America Top 5 Players Chitosan Sales Share in 2017 Table North America Top 5 Players Chitosan Revenue in 2016 and 2017 Table North America Top 5 Players Chitosan Revenue Market Share (%) in 2016 and 2017 Figure North America Top 5 Players Chitosan Revenue Share in 2016 Figure North America Top 5 Players Chitosan Revenue Share in 2017 Table North America Chitosan Sales by Type (2013-2018) Figure 2017 North America Chitosan Sales Market Share by Type Table North America Chitosan Sales Market Share by Type (2013-2018)

Figure North America Chitosan Sales Market Share by Type (2013-2018)



Table North America Chitosan Revenue by Type (2013-2018) Figure North America Chitosan Revenue Market Share by Type in 2017 Table North America Chitosan Revenue Market Share by Type (2013-2018) Figure North America Chitosan Revenue Market Share by Type (2013-2018) Table North America Chitosan Price by Type (2013-2018) Table North America Chitosan Sales by Application (2013-2018) Figure North America Chitosan Sales by Application in 2017 Table North America Chitosan Sales Market Share by Application (2013-2018) Figure North America Chitosan Sales Market Share by Application (2013-2018) Table North America Chitosan Sales by Country (2013-2018) Figure 2017 North America Chitosan Sales Market Share by Country Table North America Chitosan Sales Market Share by Country (2013-2018) Figure North America Chitosan Sales Market Share by Country (2013-2018) Table North America Chitosan Import & Export (2013-2018) Table Europe Top 5 Players Chitosan Sales in 2016 and 2017 Table Europe Top 5 Players Chitosan Sales Market Share (%) in 2016 and 2017 Figure Europe Top 5 Players Chitosan Sales Share in 2016 Figure Europe Top 5 Players Chitosan Sales Share in 2017 Table Europe Top 5 Players Chitosan Revenue in 2016 and 2017 Table Europe Top 5 Players Chitosan Revenue Market Share (%) in 2016 and 2017 Figure Europe Top 5 Players Chitosan Revenue Share in 2016 Figure Europe Top 5 Players Chitosan Revenue Share in 2017 Table Europe Chitosan Sales by Type (2013-2018) Figure 2017 Europe Chitosan Sales Market Share by Type Table Europe Chitosan Sales Market Share by Type (2013-2018) Figure Europe Chitosan Sales Market Share by Type (2013-2018) Table Europe Chitosan Revenue by Type (2013-2018) Figure Europe Chitosan Revenue Market Share by Type in 2017 Table Europe Chitosan Revenue Market Share by Type (2013-2018) Figure Europe Chitosan Revenue Market Share by Type (2013-2018) Table Europe Chitosan Price by Type (2013-2018) Table Europe Chitosan Sales by Application (2013-2018) Figure Europe Chitosan Sales Market Share by Application in 2017 Table Europe Chitosan Sales Market Share by Application (2013-2018) Figure Europe Chitosan Sales Market Share by Application (2013-2018) Table Europe Chitosan Sales by Country (2013-2018) Figure Europe Chitosan Sales Market Share by Country in 2017 Table Europe Chitosan Sales Market Share by Country (2013-2018) Figure Europe Chitosan Sales Market Share by Country (2013-2018)



Table Europe Chitosan Import & Export (2013-2018) Table Asia-Pacific Top 5 Players Chitosan Sales in 2016 and 2017 Table Asia-Pacific Top 5 Players Chitosan Sales Market Share (%) in 2016 and 2017 Figure Asia-Pacific Top 5 Players Chitosan Sales Share in 2016 Figure Asia-Pacific Top 5 Players Chitosan Sales Share in 2017 Table Asia-Pacific Top 5 Players Chitosan Revenue in 2016 and 2017 Table Asia-Pacific Top 5 Players Chitosan Revenue Market Share (%) in 2016 and 2017 Figure Asia-Pacific Top 5 Players Chitosan Revenue Share in 2016 Figure Asia-Pacific Top 5 Players Chitosan Revenue Share in 2017 Table Asia-Pacific Chitosan Sales by Type (2013-2018) Figure Asia-Pacific Chitosan Sales Market Share by Type in 2017 Table Asia-Pacific Chitosan Sales Market Share by Type (2013-2018) Figure Asia-Pacific Chitosan Sales Market Share by Type (2013-2018) Table Asia-Pacific Chitosan Revenue by Type (2013-2018) Table Asia-Pacific Chitosan Revenue Market Share by Type (2013-2018) Figure Asia-Pacific Chitosan Revenue Market Share by Type (2013-2018) Figure Asia-Pacific Chitosan Revenue Market Share by Type in 2017 Table Asia-Pacific Chitosan Price by Type (2013-2018) Table Asia-Pacific Chitosan Sales by Application (2013-2018) Figure Asia-Pacific Chitosan Sales by Application in 2017 Table Asia-Pacific Chitosan Sales Market Share by Application (2013-2018) Figure Asia-Pacific Chitosan Sales Market Share by Application (2013-2018) Table Asia-Pacific Chitosan Sales by Country (2013-2018) Figure Asia-Pacific Chitosan Sales Market Share by Country in 2017 Table Asia-Pacific Chitosan Sales Market Share by Country (2013-2018) Figure Asia-Pacific Chitosan Sales Market Share by Country (2013-2018) Table Asia-Pacific Chitosan Import & Export (2013-2018) Table South America Top 5 Players Chitosan Sales in 2016 and 2017 Table South America Top 5 Players Chitosan Sales Market Share (%) in 2016 and 2017 Figure South America Top 5 Players Chitosan Sales Share in 2016 Figure South America Top 5 Players Chitosan Sales Share in 2017 Table South America Top 5 Players Chitosan Revenue in 2016 and 2017 Table South America Top 5 Players Chitosan Revenue Market Share (%) in 2016 and 2017 Figure South America Top 5 Players Chitosan Revenue Share in 2016 Figure South America Top 5 Players Chitosan Revenue Share in 2017 Table South America Chitosan Sales by Type (2013-2018)

Figure South America Chitosan Sales by Type in 2017



Table South America Chitosan Sales Market Share by Type (2013-2018) Figure South America Chitosan Sales Market Share by Type (2013-2018) Table South America Chitosan Revenue by Type (2013-2018) Figure South America Chitosan Revenue by Type in 2017 Table South America Chitosan Revenue Market Share by Type (2013-2018) Figure South America Chitosan Revenue Market Share by Type (2013-2018) Table South America Chitosan Price by Type (2013-2018) Table South America Chitosan Sales by Application (2013-2018) Figure South America Chitosan Sales by Application in 2017 Table South America Chitosan Sales Market Share by Application (2013-2018) Figure South America Chitosan Sales Market Share by Application (2013-2018) Table South America Chitosan Sales by Country (2013-2018) Figure South America Chitosan Sales by Country in 2017 Table South America Chitosan Sales Market Share by Country (2013-2018) Figure South America Chitosan Sales Market Share by Country (2013-2018) Table South America Chitosan Import & Export (2013-2018) Table Middle East & Africa Top 5 Players Chitosan Sales in 2016 and 2017 Table Middle East & Africa Top 5 Players Chitosan Sales Market Share (%) in 2016 and 2017 Figure Middle East & Africa Top 5 Players Chitosan Sales Share in 2016 Figure Middle East & Africa Top 5 Players Chitosan Sales Share in 2017 Table Middle East & Africa Top 5 Players Chitosan Revenue in 2016 and 2017 Table Middle East & Africa Top 5 Players Chitosan Revenue Market Share (%) in 2016 and 2017 Figure Middle East & Africa Top 5 Players Chitosan Revenue Share in 2016 Figure Middle East & Africa Top 5 Players Chitosan Revenue Share in 2017 Table Middle East & Africa Chitosan Sales by Type (2013-2018) Figure Middle East & Africa Chitosan Sales by Type in 2017 Table Middle East & Africa Chitosan Sales Market Share by Type (2013-2018) Figure Middle East & Africa Chitosan Sales Market Share by Type (2013-2018) Table Middle East & Africa Chitosan Revenue by Type (2013-2018) Figure Middle East & Africa Chitosan Revenue by Type in 2017 Table Middle East & Africa Chitosan Revenue Market Share by Type (2013-2018) Figure Middle East & Africa Chitosan Revenue Market Share by Type (2013-2018) Table Middle East & Africa Chitosan Price by Type (2013-2018) Table Middle East & Africa Chitosan Sales by Application (2013-2018) Table Middle East & Africa Chitosan Sales by Country (2013-2018) Table Middle East & Africa Chitosan Sales Market Share by Application (2013-2018) Figure Middle East & Africa Chitosan Sales Market Share by Application (2013-2018)



Table Middle East & Africa Chitosan Sales by Country (2013-2018) Figure Middle East & Africa Chitosan Sales by Country in 2017 Table Middle East & Africa Chitosan Sales Market Share by Country (2013-2018) Figure Middle East & Africa Chitosan Sales Market Share by Country (2013-2018) Table Middle East & Africa Chitosan Import & Export (2013-2018) Table Primex Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Primex Chitosan Sales, Revenue, Price and Gross Margin (2013-2018) Figure Primex Chitosan Market Share (2013-2018) Table Agratech Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Agratech Chitosan Sales, Revenue, Price and Gross Margin (2013-2018) Figure Agratech Chitosan Market Share (2013-2018) Table ADVANCED BIOPOLYMERS Basic Information, Manufacturing Base, Sales Area and Its Competitors Table ADVANCED BIOPOLYMERS Chitosan Sales, Revenue, Price and Gross Margin (2013 - 2018)Figure ADVANCED BIOPOLYMERS Chitosan Market Share (2013-2018) Table Novamatrix Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Novamatrix Chitosan Sales, Revenue, Price and Gross Margin (2013-2018) Figure Novamatrix Chitosan Market Share (2013-2018) Table Dainichiseika Color & Chemicals Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Dainichiseika Color & Chemicals Chitosan Sales, Revenue, Price and Gross Margin (2013-2018) Figure Dainichiseika Color & Chemicals Chitosan Market Share (2013-2018) Table Bioline Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Bioline Chitosan Sales, Revenue, Price and Gross Margin (2013-2018) Figure Bioline Chitosan Market Share (2013-2018) Table Fuda Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Fuda Chitosan Sales, Revenue, Price and Gross Margin (2013-2018) Figure Fuda Chitosan Market Share (2013-2018) Table Fengrun Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Fengrun Chitosan Sales, Revenue, Price and Gross Margin (2013-2018) Figure Fengrun Chitosan Market Share (2013-2018) Table Golden Shell Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Golden Shell Chitosan Sales, Revenue, Price and Gross Margin (2013-2018) Figure Golden Shell Chitosan Market Share (2013-2018)

Table Huashan Basic Information, Manufacturing Base, Sales Area and Its Competitors



Table Huashan Chitosan Sales, Revenue, Price and Gross Margin (2013-2018) Figure Huashan Chitosan Market Share (2013-2018)

Table Haixin Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Haizhiyuan Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Haidebei Marine Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Yunzhou Basic Information, Manufacturing Base, Sales Area and Its Competitors Table Hecreat Basic Information, Manufacturing Base, Sales Area and Its Competitors Figure Global Chitosan Sales and Growth Rate Forecast (2018-2023)

Figure Global Chitosan Revenue and Growth Rate Forecast (2018-2023)

Table Global Chitosan Sales Forecast by Regions (2018-2023)

Table Global Chitosan Sales Market Share Forecast by Regions (2018-2023)

Table Global Chitosan Sales Forecast by Type (2018-2023)

Table Global Chitosan Sales Market Share Forecast by Type (2018-2023)

Table Global Chitosan Sales Forecast by Application (2018-2023)

 Table Global Chitosan Sales Market Share Forecast by Application (2018-2023)

Table Sales Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Chitosan

Figure Manufacturing Process Analysis of Chitosan

Figure Chitosan Industrial Chain Analysis

Table Raw Materials Sources of Chitosan Major Players in 2017

Table Major Buyers of Chitosan

Table Distributors/Traders List



### I would like to order

Product name: 2018 Top 5 Chitosan Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

Product link: https://marketpublishers.com/r/2A7B4A88200EN.html

Price: US\$ 4,960.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service: info@marketpublishers.com

# Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/2A7B4A88200EN.html</u>

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

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

\*\*All fields are required

Custumer signature \_\_\_\_\_

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

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



2018 Top 5 Chitosan Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa