Gelatin - Global Strategic Business Report

Description: This report analyzes the worldwide markets for Gelatin in Metric Tons by the following End-Use Applications: Food & Beverage, Pharmaceuticals, and Others. The Global market is further analyzed by the following Raw Materials: Pig and Cattle Bones, Bovine Hides, Pig Skin, and Others. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World.

Annual estimates and forecasts are provided for the period 2015 through 2022. Also, a six-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs. The report profiles 58 companies including many key and niche players such as -

- Capsugel
- Darling Ingredients Inc.
- Ewald Gelatine GmbH
- Gelita AG
- Gelnex

Contents:

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

- Study Reliability and Reporting Limitations
- Disclaimers
- Data Interpretation & Reporting Level
- Quantitative Techniques & Analytics
- Product Definitions and Scope of Study

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW
   Gelatin: Natural, Highly Pure, Eco-Friendly, and Trend Setting Protein-Rich Ingredient
   Myriad Applications in Various Industries Drive Widespread Market Adoption
   Major Applications and Functions of Gelatin by Category Type
   Global Gelatin Production
   Gelatin Production Process in a Nutshell
   Europe and North America Dominate Global Production

   Table 1: Gelatin Production Worldwide (2016E) by Geographic Region: Percentage Breakdown of Volume Production for Asia, Europe, Latin America, North America, and Rest of World (includes corresponding Graph/Chart)
   Pig Skin and Bovine Hides: Dominant Raw Materials in Gelatin Production

   Table 2: World Recent Past, Current and Future Analysis for Gelatin by Raw Material
   Bovine Hides, Pig and Cattle Bones, Pig Skin, and Other Raw Materials Independently Analyzed with Annual Production Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

   Table 3: World Historic Review for Gelatin by Raw Material
   Bovine Hides, Pig and Cattle Bones, Pig Skin, and Other Raw Materials Independently Analyzed with Annual Production Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

   Percentage Breakdown of Volume Production for Bovine Hides, Pig and Cattle Bones, Pig Skin, and Other Raw Materials for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

   Global Market Outlook
   Europe Dominates Global Sales, While Asia-Pacific Spearhead Market Growth

   Table 5: Global Gelatin Market Geographic Regions Ranked by Volume % CAGR for 2015-2022: Asia-Pacific, Latin America, Rest of World, US, Canada, Europe, and Japan (includes corresponding Graph/Chart)
2. COMPETITION

Competition in the Marketplace: Fairly Concentrated
Leading Gelatin Companies Worldwide

Table 6: Leading Gelatin Companies Worldwide (2016E): Percentage Breakdown of Production Volume for Gelita, Nitta, Rousselot, Sterling, Tessenderlo (PB Gelatins), Weishardt, and Others (includes corresponding Graph/Chart)

Leading Collagen Companies Worldwide

Manufacturers Diversify into Vegetarian Gelatin to Address Religious Requirements

Quality of Gelatin: A Prime Requisite for Success in the Marketplace

Factors Affecting Gelatin Quality
Selection of Raw Materials
The Production Process
Factors Determining Gelatin Quality
Bloom Value's Effect on Gelatin Quality

Gelatin Regulations Ascertain Safety and Efficacy of the Product

Gelatin Pharmacopoeia at a Glance

Edible Gelatin Regulations

3. MARKET TRENDS AND DRIVERS

Surging Demand for Gelatin-Based Pharmaceuticals Drive Healthy Market Growth

Table 7: Pharmaceuticals Spending Worldwide by Geographic Region (2014-2020): Approximate Spending ($ Billion) for North America, Europe, Japan, Asia, Latin America, and Rest of World

Increasing Healthcare Spending Bodes Well for Gelatin Consumption in the Pharma Sector

Table 8: Healthcare Spending as a Percentage of GDP by Region (2016E) (includes corresponding Graph/Chart)

Table 9: Per-Capita Healthcare Expenditure in US$ for Select Countries/Regions (2014) (includes corresponding Graph/Chart)

Table 10: Percentage (%) of Women Affected by Osteoporosis (includes corresponding Graph/Chart)

Some Interesting Osteoarthritis Facts

Peptan® Consumption Benefits Joint Pain Patients

Other High-Growth Application Areas in the Pharmaceutical Industry

Wound Care
Surgical/Dental Sponges
Hydrocolloid Dressings
Plasma Expanders
Tablets
Tablet Coating

Growing Prominence of Fish-Derived Gelatin Benefits Market Expansion

Uses of Fish-Derived Gelatin

Select Applications of Fish Gelatin in Confectionery, Food and Pharmaceuticals

Limiting Factors
Limited Supply of Raw Materials
Inferior Rheological Characteristics
Variable Quality

Prices of Fish Gelatin

Despite Challenges, Halal Gelatin Emerge as a Niche Market Segment in the Food Application Sector

Expanding Halal Food Industry Creates Major Opportunities for Food Processing Companies

Demand on the Rise for Halal Gelatin in Pharmaceutical Applications Too

Low Awareness and Lack of Stringent Religious Restrictions Impede Development of Halal Gelatin in Pharmaceutical Sector

Gelatin Innovations & Advancements: Spearheading Growth

Gelita® Leaf Gelatin Developed by Gelita

Gelatin Chips Aiding in Study of Muscle Development

QYRA Intensive Care Collagen & OPTICE® from Gelita Health

Gelita RXL Gelatin Technology with Reduced Cross-Linking Capability for the Pharma Industry

Gelatin Application in 3D Printing of Human Organs & Tissues

Gelita Pharmaceuticals Innovates with Fortified Gummies for Adults

Capsugel Introduces Vcap Plus Vegetarian Capsules for the Nutrition Market

Gelatin to go Beyond Texturizing, the Ingredient is a Novel Protein Source

Supported by Multiple Applications, Food & Beverage Dominates Gelatin Consumption

Functional Characteristics of Gelatin in Food

Table 11: Specifications for Edible Gelatin
Table 12: Gelatin Nutritional Information

Hydrocolloidal Properties of Gelatin Enables Numerous Food Applications
Growing Consumption of Dairy Products Boosts Demand for Gelatin

Table 14: Dairy Consumption Worldwide (in Kilotons) by Major Product Types: 2012, 2014, 2016, 2018 & 2020 (includes corresponding Graph/Chart)

Other Steadily Growing Food Applications of Gelatin

Meat Products
Low Fat Spreads
Confectionery
Bakery Products
Beverages

Focus on Preventive Healthcare Boosts Gelatin Consumption in Nutraceuticals
Transforming Diet and Lifestyle Related Trends Spur Demand for Gelatin in Functional Foods & Beverages

Table 15: Gelatin Composition: Percentage Share Breakdown by Amino-acids (includes corresponding Graph/Chart)

Growing Health Consciousness Drive Demand for Collagen-Based Nutraceuticals
Major Benefits to Human Body from Collagen Supplementation
Increasing Applications in Medicinal Products Drive Consumption of Collagen Bone Glues
Increasing Intake of Cosmeceuticals, Nutraceuticals, and Pharmaceuticals Capsules Drive Demand for Empty Gelatin Capsules

Hard Gelatin Capsules: High on Versatility and Functionality Factors
Soft Gelatin Capsules: Beef-Bone Gelatin Loses Ground to Pig -Bone Gelatin
Comparison of Properties of Hard Gelatin Capsules and Soft Gelatin Capsules
Gelatin-Based Pet Food Offers Significant Growth Opportunities
Microencapsulation of Pharmaceutical/Food Ingredients with Gelatin Enhance Shelf Life
Pepsi Develops Novel Aroma Encapsulation System with Gelatin Capsules
Use of Gelatins as Biomaterials in Cosmetic Formulation Expands
Gelatin Sponges Gaining Popularity as Topical Hemostat in Medical Applications
Recombinant Human Gelatin: The Next Big Thing?

Anti-Aging Properties of Gelatin Benefits Demand from the Expanding Aging Demography
Demographic Statistics of the Global Aging Populace: Unfurling the Market Potential

Table 16: Global Aging Population (in Thousands) by Age Group: 1975-2050 (includes corresponding Graph/Chart)

Table 17: Global Aging Population in Select Regions/Countries: Population of 60+ individuals in '000s and as a Percentage of Total Population for 2015 & 2050 (includes corresponding Graph/Chart)

Market Attempts to Shake off the Stigma Associated With BSE
Photographic Supplies: An 'Endangered' End-use Application?

Niche Technical Applications of Gelatin

Paintball
Microencapsulation in NCR Papers
Building Renovation
Coating and Sizing
Handling Oil Disasters
Match Stick Manufacturing
Paper Making
Coated Abrasives
Printing
Protective Applications

4. KEY CHALLENGES & CONCERNS

Cultural and Religious Specifications: A Major Dampener
Shift towards Vegetarianism Hinders Growth
Rising Trend of Gelatin-Free Encapsulation
Increasing Popularity of Alternative Gelatin Sources
Soluble Fibers to Replace Gelatin in Confectionaries
Key Gelatin Alternatives
Carrageenan
Alginates
Rice Starch
Xanthan Gum
Cellulose Gum
Pectin
Agar
Agar
Gellan Gum
Locust Bean Gum
Guar Gum
Guar Gum: Properties of Guar Gum and Food Uses
Gum Arabic
Gum Ghatti
Gum Karaya
Tragacanth

5. PRODUCT OVERVIEW
Gelatin: A Prelude
The Past and Present of Gelatin
Gelatin Composition
Table 18: Composition of Amino Acids in Alkaline Based Extracted Gelatin (in Grams of Amino Acids per 100 grams of Pure Gelatin) (includes corresponding Graph/Chart)
Forms of Gelatin
Leaf (Sheet) Gelatin
Hydrolysates
Instant Gelatins
Gelatin Structure and Properties
Structure
Properties
Water Solubility
Adhesive Properties
Melting Point
Color and Odor
Conductivity
Gelling Properties
Foaming Properties
Crystal Habit Modifying Properties
Film Forming Properties
Emulsifying Properties
Stability
Micro-Encapsulation Properties
Milk/Food Stabilizing Properties
Fruit Juice Clarifying Properties
Viscosity
Nutritional Properties
Corrosive Properties
Special Types of Gelatins
Gelatin Production Process
Raw Materials
Pre-Treatment of Raw Materials
Acid Treatment
Alkaline Treatment
Extraction to Storage Steps
Extraction
Purification
Concentrated Solution
Drying
Grinding and Blending
Flow Chart of Various Steps Involved in the Gelatin Production Process
Evaluation of Gelatin Quality
Testing and Monitoring to Ensure Gelatin Quality and Safety
Advanced Filters to Remove Contaminants
Major Sources of Gelatin
Porcine Gelatin
Bovine Gelatin
Fish Gelatin
Isinglass

6. PRODUCT LAUNCHES
Rousselot Introduces Halal-Certified Gelatins
Rousselot Launches Gelatin Solutions
Rousselot Introduces New Rousselot Gelatin
HoltaColTech Introduces Food Grade Collagen
Rousselot Introduces ProTake-P Gelatin
Vascular Solutions Unveils Gel-Bead™ Embolization Spheres
Capsugel Introduces Licaps® Range of Liquid-filled Hard Capsules
Gelatin Australia Unveils Great Lakes Gelatin Range

7. RECENT INDUSTRY ACTIVITY
Gelnex to Expand Collagen Plant Capacity
Qualicaps Takes Over Genix Industria Farmaceutica Ltda
Natural Capsules to Expand Gelatin Capsules Capacity
Darling International Changes Name to Darling Ingredients
Darling Ingredients Acquires VION Ingredients
Farmak Inaugurates New Manufacturing Facility
Hunan Er-kang Pharmaceutical to Increase Gelatin Production Capacity

8. FOCUS ON SELECT GLOBAL PLAYERS
Capsugel (USA)
Darling Ingredients Inc. (USA)
Rousselot® (The Netherlands)
Ewald Gelatine GmbH (Germany)
Gelita AG (Germany)
Gelnex (Brazil)
Italgelatine S.p.A. (Italy)
Juncà Gelatines S.L (Spain)
Lapi Gelatine S.p.A. (Italy)
Nitta Gelatin, Inc. (Japan)
Nitta Gelatin NA Inc. (USA)
Norland Products Inc. (USA)
Reinert Gruppe Ingredients GmbH (Germany)
Sterling Gelatin (India)
Suheung Co., Ltd. (South Korea)
Geltech Co., Ltd. (South Korea)
Tesserenderlo Group (Belgium)
PB Gelatins (Belgium)
The Roxlor Group (USA)
Roxlor France (France)
Trobas Gelatine BV (The Netherlands)
Weishardt Group (France)

9. GLOBAL MARKET PERSPECTIVE
Table 19: World Recent Past, Current and Future Analysis for Gelatin by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets
Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022
(includes corresponding Graph/Chart)
Table 20: World Historic Review for Gelatin by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets
Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014
(includes corresponding Graph/Chart)
Table 21: World 14-Year Perspective for Gelatin by Geographic Region
Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2016 and 2022
(includes corresponding Graph/Chart)
Global Gelatin Consumption by End-use Segment
Table 22: World Recent Past, Current and Future Analysis for Gelatin in Food & Beverage by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets
Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 23: World Historic Review for Gelatin in Food & Beverage by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets

Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 24: World 14-Year Perspective for Gelatin in Food & Beverage by Geographic Region
Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

Table 25: World Recent Past, Current and Future Analysis for Gelatin in Pharmaceuticals by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets

Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 26: World Historic Review for Gelatin in Pharmaceuticals by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets

Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 27: World 14-Year Perspective for Gelatin in Pharmaceuticals by Geographic Region
Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

Table 28: World Recent Past, Current and Future Analysis for Gelatin in Other End-Use Applications by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets

Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 29: World Historic Review for Gelatin in Other End-Use Applications by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets

Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 30: World 14-Year Perspective for Gelatin in Other End-Use Applications by Geographic Region
Percentage Breakdown of Volume Consumption for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES

A. Market Analysis
Focus on Disease Prevention Drives Steady Market Growth
Growing Emphasis on Women's Health
Gelatin Solutions for Joint Health: Addressing a Major Health Concern
Rising Popularity of Yogurt Boosts Market Prospects

Opportunity Indicators:
Table 31: Yogurt Shipments (in US$ Million) in the US: 2012, 2013, 2014 & 2015E (includes corresponding Graph/Chart)
Table 32: Per Capita Consumption (in Pounds) of Yogurt in the US: 2012, 2013, & 2014 (includes corresponding Graph/Chart)
Table 33: Frozen Yogurt Production (in Thousand Gallons) in the US: 2012, 2013, 2014 & 2015 (includes corresponding Graph/Chart)
Table 34: Yogurt Market in the US by Product Category (2015E): Percentage Breakdown of Value Sales for Frozen Yogurt, Refrigerated Yogurt, and Yogurt Drinks (includes corresponding Graph/Chart)

Booming Functional Foods Market Offers the Perfect Platform for Market Expansion
Aging Populace Offer Lucrative Opportunities for Gelatin Food & Pharma Products
The United States: A Major Importer of Bovine Bones from India and China
Shift towards Vegetarianism to Hinder Growth Prospects in the Animal-Gelatin Market
Top Reasons Cited for Being a Vegetarian in the US
Regulatory Landscape
Food Chemical Codex (FCC)
Import Regulations
Requirements for Bovine Gelatins Used in Cosmetics and Food
US Pharmacopeia (USP)
2016: US FDA Policy Changes for Drug Manufacturers
Requirements for Bovine Gelatins
Product Launches
Strategic Corporate Developments
Select Key Players

B. Market Analytics
Table 37: US Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 38: US Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 39: US 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

2. CANADA
A. Market Analysis
Food and Pharma Technology Advancements Sustain Market Growth
The Flourishing Functional Foods Market Bodes Well for the Market
Rising Popularity of Yogurt Signals Opportunities
Table 40: Average Annual Household Spending (In C$) on Yogurt in Canada: 2012, 2013, & 2014 (includes corresponding Graph/Chart)
B. Market Analytics
Table 41: Canadian Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 42: Canadian Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 43: Canadian 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

3. JAPAN
A. Market Analysis
Aging Population and Changing Food Requirements Drive Market Demand
Table 44: Percentage Breakdown of Population in Japan by Age Group: 2015, 2050, and 2100 (includes corresponding Graph/Chart)
Table 45: Japanese Elderly (65+ Years) Population: 2000-2020 (includes corresponding Graph/Chart)
Yogurt: A High Potential Market
Table 46: Japanese Market for Yoghurt (2016E): Percentage Breakdown of Production by Dairy and Non-Dairy Companies (includes corresponding Graph/Chart)
Select Key Players
B. Market Analytics
Table 47: Japanese Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 48: Japanese Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 49: Japanese 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4. EUROPE
A. Market Analysis
Market Overview
European Gelatin Production by Raw Material Source

Table 50: European Market for Gelatin (2016E): Breakdown of Production by Raw Material
- Pig Skin, Bovine Hides, Bones, and Others (includes corresponding Graph/Chart)
- Flourishing Dairy Sector to Promote Market Expansion
- Boom in Functional Foods to Fuel Growth
- Favorable Demographics to Propell Market Growth

Table 51: Aging Population in Europe by Region (2015 & 2030): 60 Years and Above Population (in Thousands) and Percentage of Population (includes corresponding Graph/Chart)

EU Regulations on Edible Gelatin and Hydrolyzed Collagen
Replacement of Gelatin in Pharmaceutical Capsules: European Group's Response
European Regulations for Pharmaceutical-grade Gelatin
European Pharmacopeia (EP)
Requirements for Bovine Gelatins

REACH Implications for Gelatin/Collagen
Various types of gelatins/collagens exempted from registration include
- EU Regulation for the Production of Organic Gelatin
- Regulatory and Pricing Issues to Curtail Gelatin Market Prospects

B. Market Analytics

Table 52: European Recent Past, Current and Future Analysis for Gelatin by Geographic Region
France, Germany, Italy, UK, Spain, Russia, Belgium, and Rest of Europe Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 53: European Historic Review for Gelatin by Geographic Region
France, Germany, Italy, UK, Spain, Russia, Belgium, and Rest of Europe Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 54: European 14-Year Perspective for Gelatin by Geographic Region
Percentage Breakdown of Volume Consumption for France, Germany, Italy, UK, Spain, Russia, Belgium, and Rest of Europe Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

European Gelatin Consumption by End-use Application

Table 55: European Recent Past, Current and Future Analysis for Gelatin by End-use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 56: European Historic Review for Gelatin by End-use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 57: European 14-Year Perspective for Gelatin by End-use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4a. FRANCE

A. Market Analysis
- Aging Populace Offers Market Opportunities

Table 58: Aging Population in France (2015 & 2030): 60 Years and Above Population (in Thousands) and Percentage of Population (includes corresponding Graph/Chart)

Product Launch
Select Key Players

B. Market Analytics

Table 59: French Recent Past, Current and Future Analysis for Gelatin by End-use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 60: French Historic Review for Gelatin by End-use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 61: French 14-Year Perspective for Gelatin by End-use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4b. GERMANY

A. Market Analysis
- Changing Consumer Preferences to Drive Market Growth
Select Key Players

Table 62: German Recent Past, Current and Future Analysis for Gelatin by End-use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 63: German Historic Review for Gelatin by End-use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 64: German 14-Year Perspective for Gelatin by End-use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)
B. Market Analytics
Table 62: German Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption
Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 63: German Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption
Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 64: German 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets
for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4c. ITALY
A. Market Analysis
Select Key Players
B. Market Analytics
Table 65: Italian Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption
Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 66: Italian Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption
Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 67: Italian 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets
for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4d. THE UNITED KINGDOM
A. Market Analysis
Rising Incidence of Osteoarthritis to Increase Demand for Gelatin Supplements
UK Osteoarthritis Statistics
Booming Functional Foods Market Augurs Well for Market Expansion
Table 68: Functional Foods and Drinks Market in the UK (2016E): Percentage Share Breakdown of Retail Sales
by Functional Benefits
General Health and Well-being, Digestive Health, Heart Health, Energy Boost, and Others (includes
corresponding Graph/Chart)
Yogurts Pep Up Functional Food Market
B. Market Analytics
Table 69: UK Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption
Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 70: UK Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption
Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 71: UK 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets
for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4e. SPAIN
A. Market Analysis
Growing Health and Wellness Consciousness Drive Market Demand
Juncà Gelatines S.L
A Major Spain-Based Company
B. Market Analytics
Table 72: Spanish Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption
Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 73: Spanish Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption
Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 74: Spanish 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets
for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4f. RUSSIA
A. Market Analysis
Russian Gelatin Market Offers Enormous Potential
Rapidly Growing Yoghurt Market Spur Consumption
Table 75: Russian Yoghurt Market by Product Category (2015E): Percentage Share Breakdown of Volume Sales for Aromatized Yoghurt, Probiotic Yoghurt, Yoghurt Drinks, and Yoghurt with Fruit Fillings (includes corresponding Graph/Chart)

B. Market Analytics
Table 76: Russian Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 77: Russian Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 78: Russian 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4g. BELGIUM
A. Market Analysis
Select Key Players
B. Market Analytics
Table 79: Belgium Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 80: Belgium Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 81: Belgium 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4h. REST OF EUROPE
A. Market Analysis
Product Launches
Strategic Corporate Development
Select Key Players
B. Market Analytics
Table 82: Rest of Europe Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 83: Rest of Europe Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 84: Rest of Europe 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

5. ASIA-PACIFIC
A. Market Analysis
Developing Asian Countries Offer Lucrative Growth Opportunities
Table 85: Global Gelatin Market
Geographic Regions Ranked by Volume % CAGR for 2015-2022
Asia-Pacific, Latin America, Rest of World, US, Canada, Europe and Japan (includes corresponding Graph/Chart)
Rising Incidence of Osteoarthritis to Increase Demand for Gelatin Supplements in Australia
Osteoarthritis Statistics
India & China: Potential Laden Markets
B. Market Analytics
Table 86: Asia-Pacific Recent Past, Current and Future Analysis for Gelatin by Geographic Region
China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 87: Asia-Pacific Historic Review for Gelatin by Geographic Region
China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Consumption Figures in
5a. CHINA
A. Market Analysis
Robust Demand for Edible Gelatin Drive Strong Market Growth
Blood Enrichment: A Growing End-Use Sector
Surge in Functional Foods Consumption Boosts Gelatin Consumption
Chinese Authorities Investigate Illegal Gelatin Products
Gelatin Regulations in China
Drug Manufacturers Reel in the Aftermath of Chromium Capsule Incident
Strategic Corporate Development
Select Key Players
B. Market Analytics
Table 92: Chinese Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 93: Chinese Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 94: Chinese 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

5b. INDIA
A. Market Analysis
Bright Outlook for the Indian Gelatin Market
Pharmaceutical Sector: The Primary End-Use Market
India: A Leading Exporter
Cellulose Based ‘Vegetarian’ Capsules: A Major Threat to Gelatin Capsules?
Ban on Cow-Slaughter in Certain States to Majorly Impact Gelatin Market
Corporate Development
Select Key Players
B. Market Analytics
Table 95: Indian Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 96: Indian Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 97: Indian 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

5c. REST OF ASIA-PACIFIC
A. Market Analysis
Product Launches
Select Key Players
B. Market Analytics
Table 98: Rest of Asia-Pacific Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 99: Rest of Asia-Pacific Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption
Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 100: Rest of Asia-Pacific 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

6. LATIN AMERICA
A. Market Analysis
Functional Dairy Products Popular among Brazilians
B. Market Analytics
Table 101: Latin American Recent Past, Current and Future Analysis for Gelatin by Geographic Region
Brazil and Rest of Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 102: Latin American Historic Review for Gelatin by Geographic Region
Brazil and Rest of Latin America Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 103: Latin American 14-Year Perspective for Gelatin by Geographic Region
Percentage Breakdown of Volume Consumption for Brazil and Rest of Latin America Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)
Table 104: Latin American Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 105: Latin American Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 106: Latin American 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

6a. BRAZIL
A. Market Analysis
Strategic Corporate Developments
Select Key Players
B. Market Analytics
Table 107: Brazil Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 108: Brazil Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 109: Brazil 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

6b. REST OF LATIN AMERICA
Market Analysis
Table 110: Rest of Latin America Recent Past, Current and Future Analysis for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 111: Rest of Latin America Historic Review for Gelatin by End-Use Applications
Food & Beverage, Pharmaceuticals, and Others Markets Independently Analyzed with Annual Consumption Figures in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 112: Rest of Latin America 14-Year Perspective for Gelatin by End-Use Applications
Percentage Breakdown of Volume Consumption for Food & Beverage, Pharmaceuticals, and Others Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

7. REST OF WORLD
A. Market Analysis
Product Launch
B. Market Analytics
IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 58 (including Divisions/Subsidiaries 67)

The United States (13)
Japan (3)
Europe (14)
- France (3)
- Germany (5)
- The United Kingdom (1)
- Italy (3)
- Spain (2)
- Rest of Europe (7)

Asia-Pacific (Excluding Japan) (25)

Latin America (5)

Ordering:
Order Online - http://www.researchandmarkets.com/reports/338482/

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: Gelatin - Global Strategic Business Report
Web Address: http://www.researchandmarkets.com/reports/338482/
Office Code: SC2G5C4Y

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 4950</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6930</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 10 Users:</td>
<td>USD 9405</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 15 Users:</td>
<td>USD 11880</td>
</tr>
</tbody>
</table>

* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

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