

## Ion Exchangers – A Global Market Overview

*“The report reviews, analyzes and projects the market for Ion Exchangers for the period 2015-2024. Global market for Ion Exchangers and their sub-types analyzed in this study include Composite Ion Exchangers, Inorganic Ion Exchangers – Zeolites and Other Inorganic Ion Exchangers; and Organic Ion Exchangers – Amphoteric Ion Exchangers, Chelating Ion Exchangers, Strong Base Anion Exchangers, Weak Base Anion Exchangers, Strong Acid Cation Exchangers and Weak Acid Cation Exchangers. The report also explores the market for application sectors of Ion Exchangers comprising Chemical, Dairy, Food & Beverages, Hydrometallurgy, Industrial & Municipal Water Treatment, Nuclear Waste Remediation, Pharmaceuticals & Medicine and Others.”*

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### Report Synopsis

Globally, the market for hybrid/composite ion exchangers incorporating the beneficial features of both organic and inorganic exchangers has been gaining traction. These exchangers enable in forming new solid-state/lattice structures and materials with novel composite properties, leading to a host of innovative applications that will drive future growth. The primary goal of synthesizing hybrid exchangers has been to achieve properties that a single-phase material lacks.

Asia-Pacific forms the largest global market for Ion Exchangers, estimated at US\$1.4 billion (35.1% share) in 2018, which is also poised to post the fastest 2018-2024 CAGR of 5.9%. By type, Organic exchangers account for the largest share in 2018 with US\$1.8 billion. The overall ion exchangers worldwide market is expected to reach US\$4.1 billion in 2019.

- Ion Exchangers Improve Purification of Processed Foods
- Drug Delivery Systems Enhanced with Ion Exchangers
- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled – 100
- The industry guide includes the contact details for 132 companies

### Product Outline

The report analyzes the market for the key types/sub-types of Ion Exchangers including:

- Composite
- Inorganic
  - Zeolites
  - Others
- Organic
  - Amphoteric
  - Chelating
  - Strong Base Anion
  - Weak Base Anion
  - Strong Acid Cation
  - Weak Acid Cation

Application Areas of Ion Exchangers analyzed comprise the following:

- Chemical
- Dairy, Food & Beverages
- Hydrometallurgy
- Industrial & Municipal Water Treatment
- Nuclear Waste Remediation
- Pharmaceuticals & Medicine
- Others

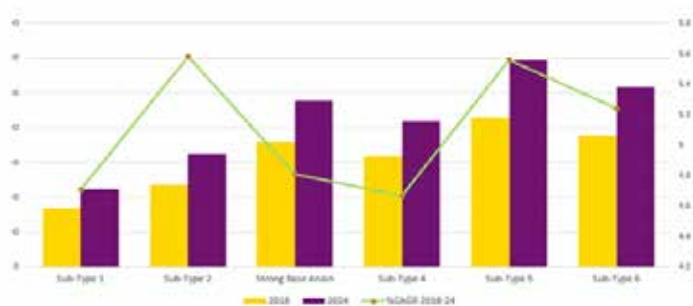
### Analysis Period, Units and Growth Rates

- The report reviews, analyzes and projects the global Ion Exchangers market for the period 2015-2024 in terms of market value in US\$ and the compound annual growth rates (CAGRs) projected from 2018 through 2024

### Geographic Coverage

- **North America** (*The United States, Canada and Mexico*)
- **Europe** (*France, Germany, Italy, United Kingdom and Rest of Europe*)
- **Asia-Pacific** (*China, India, Japan and Rest of Asia-Pacific*)
- **South America** (*Argentina, Brazil and Rest of South America*)
- **Rest of World**

Global Organic Ion Exchangers Market by Sub-Type 2018 - 2024



Source: Industry Experts, Inc. <http://industry-experts.com>

### Research Findings & Coverage

- The global market for Ion Exchangers is explored in this study with respect to Ion Exchanger Type/Sub-Type and major application areas
- The study extensively analyzes above mentioned types and applications of Ion Exchangers in each major region/country globally for the analysis period
- Hybrid Ion Exchangers Gain Traction
- Combined Cation/Anion Exchange Systems Improve Water Purification in Small Potable Water Systems

## SAMPLE COMPANY PROFILE

### ALDEX CHEMICAL COMPANY, LTD. (CANADA)

630 Laurent Street, Granby, Quebec J2G 8V1  
Phone: 450 372 8844, Fax: 450 372 2566  
Website: www.aldexchemical.com

#### Business Overview

Aldex Chemical Company, Ltd. was established in 1976 with headquarters in Quebec, Canada. Aldex Chemical is a manufacturer of high quality ion exchange resins for use by OEMs in power generation, water treatment, electronics, pharmaceutical manufacturing, oil and gas drilling and investment casting. The company is engaged in the production of non-solvent sulfonated resins for potable water applications; low sodium resins; high quality strong acid cation resins; low sodium cation exchange resins for use in nuclear and fossil power generation facilities, and ultrapure water applications such as microelectronics, pharmaceuticals and portable exchange deionization; and water softening resins for use in residential, commercial and industrial applications. The product portfolio of the company encompasses power generation products comprising premium low sodium cation resins for use in both atomic and fossil fuel power generation; products for use in industrial, commercial and residential softening including non-solvent, NSF 44, NSF 61, NSF 372 and WQA gold seal certified products and solvent sulfonated products; demineralization products; and specialty resins and media.

#### Product Portfolio

Products	Particulars
<b>Power Generation</b>	
ALDEX C-800 Series Resins	<ul style="list-style-type: none"> <li>C-800H (LS) Low Sodium Cation Resin Hydrogen Form Is a very low sodium, strongly acidic, high quality, gel-type cation resin in hydrogen form for ultrapure water production and for use in the nuclear power industry</li> <li>C-800NH4 (LS) Low Sodium Cation Resin Ammonia Form Is a very low sodium, high quality, gel-type cation resin in ammonia form for ultrapure water production and for use in the nuclear power industry</li> </ul>
<b>Water Softening - Non-Solvent, NSF 44, NSF 61, NSF 372 and WQA Gold Seal Certified</b>	
ALDEX C-700 Series	<ul style="list-style-type: none"> <li>C-700 Water Softening Resin Sodium Form Is a NSF/ANSI 44, 61 and 372 Certified high capacity, high quality, gel-type cation resin supplied in the sodium form for use in household, farm, commercial, institutional and industrial water softening applications Available as black colored beads in 1 cubic foot bags and larger bulk packages</li> </ul>

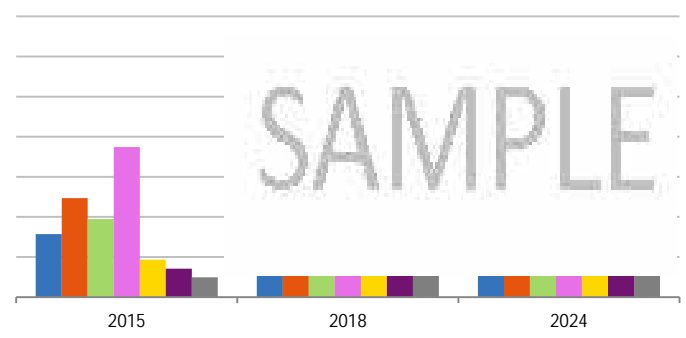
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## SAMPLE TABLE/CHART

Glance at 2018 Global Ion Exchangers Market Share (%) by Region – North America, Europe, Asia-Pacific, South America and Rest of World



Asia-Pacific Ion Exchangers Market Analysis (2015-2024) by Application – Chemical, Dairy, Food & Beverages, Hydrometallurgy, Industrial & Municipal Water Treatment, Nuclear Waste Remediation, Pharmaceuticals & Medicine and Other Applications in USD Million



## KEY PLAYERS PROFILED

- Albemarle Corporation
- ALDEX Chemical Company, Ltd.
- Anhui Mingmei Minchem Co., Ltd.
- Anhui Sanxing Resin Technology Co., Ltd.
- Anten Chemical Co., Ltd.
- Arkema Group
- Bariteworld
- BASF SE
- Bio-Rad Laboratories Inc.
- Blue Pacific Minerals
- Clariant AG
- Eurecat S.A.
- Evoqua Water Technologies LLC
- Finex OY
- Grupo Coypus S.A. De C.V.
- Gujarat Credo Mineral Industries Ltd
- Honeywell International Inc.
- Ida-Ore Zeolite
- Imerys Metallurgy Division
- Incal Mineral Gübre Ve Yem San. Ltd.
- Ion Exchange (India) Limited
- Jacobi Carbons AB
- Jiangsu Linhai Resin Science and Technology Co., Ltd

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