# CONTENTS

<table>
<thead>
<tr>
<th>JUBILANT BHARTIA GROUP</th>
<th>01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overview</td>
<td>01</td>
</tr>
<tr>
<td>Group Outline &amp; Philosophy</td>
<td>01 - 02</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LIFE SCIENCE INGREDIENTS (LSI)</th>
<th>03</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overview - LSI</td>
<td>04</td>
</tr>
<tr>
<td>LSI Leadership Positions</td>
<td>04</td>
</tr>
<tr>
<td>LSI Business Around the World</td>
<td>05</td>
</tr>
<tr>
<td>Why Jubilant Life Science Ingredients</td>
<td>06</td>
</tr>
<tr>
<td>LSI Business Outline</td>
<td>07</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SUSTAINABILITY</th>
<th>09 - 10</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>RECENT AWARDS &amp; ACCOLADES</th>
<th>11</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>LSI LOCATIONS</th>
<th></th>
</tr>
</thead>
</table>
JUBILANT BHARTIA GROUP

Jubilant Bhartia Group is a Indian conglomerate encompassing a spectrum of business areas and with a strong presence across the world.

The group operates in various sectors like Pharmaceuticals and Life Sciences, Food, Oil and Gas, Agri & Performance Polymers and Retail and Consulting Services in Aerospace and Oil field industries.

Over the years, Jubilant Bhartia Group has formed many successful partnerships within and beyond the country leading to rapidly growing global recognition of the group. The group employs over 31,000 people globally with over 1500 in North America and works on innovative business models with an objective of delivering value to its stakeholders.

For a large number of global companies, Jubilant is a trusted name and a Partner of Choice owing to its ability to operate in an ever-changing environment that presents both opportunities and challenges. The group’s promise of Caring, Sharing and Growing is reflected in all its endeavors.

The group lays emphasis on the environmental, social and economical concerns, in order to operate within a sustainable environment and build a robust self-sustained nation, the group has formed an entity, Jubilant Bhartia Foundation.

This Foundation is relentlessly involved in taking initiatives aimed at empowerment of communities through focus on primary education, providing basic healthcare and skill development facilities and enabling employability and self-sustenance.

GROUP OUTLINE

JUBILANT PHARMA

A 100% of subsidiary of Jubilant Life Sciences Ltd., Jubilant Pharma is a leading Pharmaceutical company engaged in Research, Development and Supply of Generics and Speciality Pharmaceuticals.

Jubilant Life Sciences Ltd is listed on NSE and BSE, India

JUBILANT FOODWORKS

A master franchise of Domino’s Pizza for India, Bangladesh, Nepal & Sri Lanka and Dunkin Donuts for India; Domino’s has presence in 158 cities through over 770 stores in India.

Over 30 Dunkin Donuts stores opened since April 2012, in India.

Listed on NSE & BSE, India

JUBILANT INDUSTRIES

Global leader in Advance Intermediates, Fine Ingredients, Crop Science Ingredients, Life Science Chemicals & Nutritional Products.

JUBILANT LIFE SCIENCES

Jubilant Life Sciences Ltd.is a globally trusted organisation. The group has four verticals - Life Science Ingredients, Jubilant Pharma, Drug Discovery Solutions and Indian Branded Pharmaceuticals.

JUBILANT PHARMA

Leading player in Agri Products in North India.

Caters to niche markets in Performance Polymers globally.

2nd largest retailer in Bengaluru operating 6 hypermarket-cum-malls.

Listed on NSE & BSE, India

AGRI & POLYMERS AND RETAIL

Listed on NSE & BSE, India
OUR PROMISE

We will with utmost care for the environment and society, continue to enhance value for our customers by providing innovative products and economically efficient solutions; and for our stakeholders through growth, cost effectiveness and wise investment of resources.

OUR VALUES

Caring, Sharing, Growing

A non profit organization, is a social arm of Jubilant Bhartia Group. The foundation is engaged in community development work focusing on primary education, basic health care, skill development through vocational training for youth and women. Aims at long term sustainable social intervention by empowering communities through 4P model (Public - Private - People - Partnership)
We are driven by the motive to add value to millions of lives through innovations and cutting-edge technology. With the continuous expansion over last three decades and the drive for excellence we have attained leadership positions in the key products we manufacture.


Taking pride in being a Partner of Choice for Life Science Ingredients customers, we believe in Applying Science to Enrich Life.

### LIFE SCIENCE INGREDIENTS

#### Overview

We are driven by the motive to add value to millions of lives through innovations and cutting-edge technology. With the continuous expansion over last three decades and the drive for excellence we have attained leadership positions in the key products we manufacture.


Taking pride in being a Partner of Choice for Life Science Ingredients customers, we believe in Applying Science to Enrich Life.

### LSI LEADERSHIP POSITIONS

#### PYRIDINE AND FINE INGREDIENTS
Globally No. 1 in Pyridine and its 11 derivatives

#### NUTRITIONAL PRODUCTS
Globally No. 2 in Niacinamide (Vitamin B3)

#### LIFE SCIENCE CHEMICALS
Globally No. 7 in Ethyl Acetate and No. 4 in Acetic Anhydride
BUSINESS HIGHLIGHTS

- Servicing customers in over 70 countries.
- Partnering with 7 out of top 10 agrochemical & 7 out of top 10 global pharma companies.
- 5 manufacturing locations in India.
- Sales offices across multiple locations including China, Europe and USA.

LSI BUSINESS LOCATIONS

**INDIA**

**Noida, Uttar Pradesh**
Corporate Office, R&D Centres

**Gajraula, Uttar Pradesh**
Largest integrated facility in the world for Advance Intermediates, Fine Ingredients, Crop Science Ingredients, Life Science Chemicals

**Samlaya, Gujarat**
Straight Ingredients, Premixes and Specialty Animal Nutrition Products; Crop Science Ingredients

**Bharuch, Gujarat**
Fine Ingredients, Crop Science Ingredients, Vitamin B3

**Ambernath, Maharashtra**
Fine Ingredients, Custom Manufacturing - Crop Science Ingredients

**Nira, Maharashtra**
Life Science Chemicals

**NORTH AMERICA**

**Bedminster, New Jersey, USA**
Clinical Research Centre and Jubilant Life Sciences Marketing Office

**CHINA**

**Shanghai, China**
Marketing Office

**BELGIUM**

**Melberke, Belgium**
Regulatory and Marketing Office
WHY JUBILANT LIFE SCIENCE INGREDIENTS

Jubilant Life Sciences nurtures innovations, offers excellent quality and always stretches to inspire confidence in its customers.

R&D

- Centers located in Noida, Gajraula and Gujarat, specialize across the value chain of Life Science Ingredients research.
- Well equipped facilities, that meet global standards and are accredited by all major international regulatory authorities, that support research and development pertaining to Advance Intermediates, Fine Ingredients, Nutrition Ingredients, Crop Science Ingredients and Life Science Chemicals.
- The R&D team also aids in ensuring no potential infringement on third party’s intellectual property by developing research strategies as well as better understanding of emerging threats and identifying newer opportunities.

Business Excellence

- Initiatives cover all facets of the business including Manufacturing, Sales and Marketing, New Product Introduction (R&D), Supply Chain, Corporate HR, Projects and other support functions which help in creating a more efficient value chain through Six Sigma, Lean, Design for Six Sigma, World Class Manufacturing (WCM), Total Productivity Management (TPM), Supply Chain Re-engineering (SCOR), Project Management (EPM), Operation Research and Business Intelligence (BI).
- Maynard Operation Sequencing Technique (MOST) for manpower productivity enhancement and Dynamic and Steady State Simulation Modelling for enhancing efficiencies of chemical processes using tools like ASPEN and DYNOCHEM.
- Capacity debottlenecking projects through application of Lean Six Sigma and process simulation in Fine Ingredients business and Supply Chain reengineering solutions in the area of planning and sourcing.
- Cash to Cash cycle time reduction and working capital improvements driven across all businesses by following best in class Lean and Supply Chain practices.

Climate Change

- Climate Change Mitigation Policy and Green Supply Chain Policy of Jubilant sets the strategic tone to align its business activities to reduce its climate change impact through reduced carbon footprint.
- Voluntarily participation in Carbon Disclosure Project (CDP) to publicly demonstrate its GHG emission performance and commitment.
- Emphasis on use of renewable energy sources like biogas, bio-mass, bio-diesel in its energy mix to reduce its carbon footprint. 6.85% of total energy usage in 2013-14 was from renewable source.
- Dedicated Business Excellence (BE) team to identify, plan, budget, implement, monitor and report all energy consumption reduction and efficiency improvement projects every year.
- Conducted two life cycle based (Cradle to Gate) carbon footprint studies of 15 key products in 2010-11 and in 2011-12.

Employee Health and Safety

- Safety of employees at work place is of prime importance and linked to KRA of top management. EHS policy reflects safety commitment of the company.
- OHSAS 18001 certified Manufacturing plants.
- The company is signatory to Responsible Care of ICC (Indian Chemical Council).
- Behavioral Based Safety (BBS) program in all Indian Manufacturing locations in 2013.
- Implementation of RC 14001 based Responsible Care Management System created by the American Chemistry Council (ACC).
- Safety performance of the company is communicated publicly through its annual sustainability report in addition to regular reporting to regulatory bodies in line with local regulation.

Customer Health and Safety

- Strong team involving R&D, QA, QC, sales and marketing to take care of product safety.
- Compliance with national & international product safety standards like REACH, China REACH, FAMI-QS and KOSHER, FSSC 22000 and other notification obligation of countries like Turkey, Taiwan, Australia, New Zealand, Japan and others.
- International product labelling guidelines like CLP for customers in Europe, China GHS for customers in China, Korea GHS for customers in Korea and World GHS for customers in USA and rest of the world followed for classification and labelling of chemicals & communication of hazards.
- Being primarily in B2B business the company adheres to the transport labels governed by IATA for shipments by Air, IMDG for shipments by the Sea and ADR for transportation by road.
Jubilant Life Sciences is a leading global manufacturer of Pyridine and Picolines with over 30 years of experience in Pyridine chemistry.

The Advance Intermediates portfolio comprises of Pyridine, Picolines, Cyanopyridines and Piperidine.

The company is the only manufacturer of Pyridine and Picolines with complete backward and forward integration. It manufactures Advance Intermediates via Biomass route, using agricultural feedstock, which gives it a benefit of 46.7% in carbon footprint as compared to the conventional petroleum route. The world scale manufacturing facility is located at Gajraula, Uttar Pradesh, has ZERO discharge and is OHSAS 18001, ISO 9001, & ISO 14001 certified.

Our Fine Ingredients business offers 53 commercial Pyridines, Picoline and Piperidine derivatives for global pharmaceutical and other healthcare industries. The business enjoys global leadership in 11 of its intermediates.

The business also offers end-to-end Custom Manufacturing services to its global pharmaceutical customers including innovators. This includes route design, process development, process optimisation, scale up and commercial manufacturing of intermediates starting a few kgs to multi metric tons of specific products as desired by customers.

Another significant category is the range of Anti-Microbial products which include Zinc Pyrithiones and Cetyl Pyridinium Chloride which find applications in Paints, Personal Care, Water Treatment, Food and other applications.

Jubilant’s Crop Science business offers value added Pyridine & Picoline based intermediates & actives for global agrochemical industry. The business has developed niche technology to produce Symtet (2,3,5,6 – Tetrachloropyridine) and PCP (2,3,4,5,6 – Pentachloropyridine) and has installed large capacities to cater to global requirements. The business also offers agro Custom Manufacturing services for its global agrochemical customers including innovators. This includes cost effective & scalable process development and large scale custom manufacturing starting a few kilos to several 100s of metric tons of specific products as desired by customers.
The business already has ongoing strong relationships with global large agrochemical companies by delivering products to agro Custom Manufacturing business with long term contracts.

**LIFE SCIENCE CHEMICALS**

Jubilant Life Sciences manufactures a range of Life Science Chemicals of Acetyl group and holds leadership positions in most of them. The business is globally No. 7 in Ethyl Acetate and Acetate Anhydride manufacturing and is globally No. 4 in Acetic Anhydride sales.

The key product portfolio comprises of a Ethyl Acetate, Acetic Anhydride, Acetic Acid, MCAA (Monochloroacetic Acid), SMCA (Sodium Monochloro Acetate) and Acetaldehyde.

The company has the capability to produce Acetyls from agro-based feedstock including molasses and alcohol. Acetyls find applications in diverse industries such as Pharmaceutical, Crop Protection, Food & Beverages, Textiles, Packaging, Adhesives, Aromatics, etc.

**NUTRITIONAL PRODUCTS**

**VITAMIN B3**
Jubilant Life Sciences is the second largest manufacturer of Niacinamide & Niacin (Vitamin B3) worldwide. With backward integration up to the initial raw material stage and global scale of operation, we deliver unmatched advantages of consistent quality and availability of Niacinamide and Niacin to our customers globally. Our manufacturing facilities are certified by international regulatory authorities, and products conform to major international pharmacopoeias.

The key application areas are Food, Feed, Pharmaceuticals, Cosmeceuticals.

**STRAIGHT INGREDIENTS, PREMIXES & SPECIALTY ANIMAL NUTRITION**
Jubilant Life Sciences is the largest manufacturer of Choline Chloride in India, having capacity of 22000 MT/Annum. The Animal Nutrition business offers high quality Specialty Feed Supplements & Additives and Premixes in the categories of Vitamin and Mineral Premixes, Betaine, Acidifiers, Toxin Binders, Growth Promoters and Emulsifiers to integrators, feed millers, and commercial farmers across the globe.

The manufacturing facility is FAMI-QS certified along with ISO accreditations.
Jubilant’s promise of Caring, Sharing, and Growing finds life in each of the many endeavors we have been consistently implementing. We take pride in our long and momentous journey of caring for our environment, people and partners.

Jubilant’s approach to sustainable development focuses on the Triple Bottom Line of Economic, Environmental and Social Performance and Corporate Governance. It follows a structured methodology for risk identification and management. Our Corporate Sustainability Program has been recognized by institutions like Global Reporting Initiative (GRI), International Finance Corporation (IFC) and Confederation of Indian Industry (CII).

### Caring for the Environment
- Follows precautionary approach & 3R (Reduce-Recycle-Reuse) principles across business verticals and processes.
- Set 2020 environment target to reduce specific water & energy consumption and specific GHG emission by 12% against 2012-13 performance.

### Growing Sustainably
- Signatory to UNGC (United Nation Global Compact) & follows the principle of human rights at workplace.
- Instituted Ombudsman Office to take care of any form of Human Rights violation at work place.
- Voluntary participating member in CDP (Carbon Disclosure Project) executed by WWF.
- Signatory to Responsible Care by Indian Chemical Council (ICC) which is a member of International Council of Chemical Associations (ICCA).
- Founding Member of GRI’s Sustainability and Transparency Consortium in Chemical Sector.
- Publishing Corporate Sustainability Report in line with GRI from 2003 and receiving A+ application level check statement from GRI (Global Reporting Initiative) since 2007.

### Sharing With The Community
- Reaches out to 65 villages and 0.4 million people through community development programs covering primary education, basic healthcare and livelihood generation.
- Partners with CII for Food and Agriculture Centre for Excellence (FACE).
- Organizes ‘The India Social Entrepreneur of the Year Award in collaboration with Schwab Foundation (Sister concern of WEF) to identify & encourage visionary social entrepreneurs.
RECENT AWARDS & ACCOLADES

- Golden Peacock Business Excellence Award - 2014, recognized under the ‘Chemicals and Pharmaceuticals’ category, presented by Hon’ble, Governor of Tamil Nadu, K. Rosaiah to our Gujraula plant, India.

- 3rd FICCI Quality System Excellence Awards for Manufacturing - 2014 - First Prize in the large size category presented to our Gujraula plant, India.


- Certificate from Coca Cola for compliance to Global food Safety Initiative as per TCCC norms for the year 2013, presented to Gujraula plant, India.

- 14th Annual Greentech Environment Award 2013 - Gujraula plant, India.

- Amity Global Business School - CSR Award 2013, in appreciation of outstanding work in the CSR.

- Express, Logistics & Supply Chain Leadership Award under category ‘Excellence in Manufacturing Supply Chain in Chemicals’.

- Annual Greentech Safety Award 2013 - Silver Award under chemical sector to our Gajraula plant, India.

- Shree Janeshwar Mishra Export Award - Excellence Award for the best performance in the field of export under the category of ‘Chemicals, Pharmaceuticals & Cosmetic Products’.

- Lifetime Achievement Award - Shyam S Bhartia, presented by Mr. Anand Sharma, Minister of Commerce and Industry, Govt. of India at CHEMEXCIL’s Export Award 2010 - 11

- CII - National Award for Excellence in Energy Management 2013, our Gajraula plant awarded as Energy Efficient Unit.

- FICCI Quality System Excellence Awards 2012, Silver prize under ‘Large Scale’ category - Gajraula plant, India.

- NDTV Profit Business Leadership Award 2012 under ‘Corporate Social Responsibility’ category.

- Entrepreneurs of the Year 2013 - Shyam S Bhartia & Hari S Bhartia, presented by the President of India at AIMA Managing India Awards.