

**ANIMAL NUTRITION &  
HEALTH SOLUTIONS**





## Animal Nutrition & Health Solutions

The Animal Nutrition & Health Solutions business of Jubilant Ingrevia is **a leading manufacturer and supplier of a variety of products for poultry, dairy, swine, aqua and pet food**. With complete quality control, FAMI-QS and ISO certified plants, flexibility of operation, speed to customer and a broad portfolio of specific premixes and additives, we are a trusted 'Partner of Choice' for our customers.

## BUSINESS OVERVIEW

### PRODUCT PORTFOLIO

#### Vitamin B4 – Choline Chloride

Jubilant Ingrevia is India's largest manufacturer of Choline Chloride, under the 'Anichol' brand name. Choline is also known as Vitamin B4 and is an essential nutrient that plays many important metabolic roles in livestock.

Choline, a water soluble compound with vitamin-like properties, is widely distributed in feedstuff in the form of 'phosphatidylcholine', and its content has been standardised and reported by the National Research Council. However, variation of bioavailability and content of Choline in feeds arises due to variation in prevailing crop growth conditions such as climate, cultivation, soil, location, fertilizer and other farming practices. Due to these reasons, Choline should be supplemented additionally in feed as it serves a number of critical functions in the body.

Anichol is offered in different variants, all of which duly meet international quality standards.

#### Product Variants

Anichol™ 60	Choline Chloride 60% Dry (Corn Cob Carrier)
Anichol™ 50	Choline Chloride 50% Dry (Silica Carrier)
Anichol™ 75	Choline Chloride 75% Aqueous
Superchol™ 99	Choline Chloride 99% Crystals

#### Applications

##### Animal nutrition:

- Poultry
- Aquaculture
- Swine
- Pet food
- Dairy

##### Industrial:

- For oil & natural gas industry for clay stabilization

##### Pharmaceutical:

- Pharmaceutical companies formulating Choline enriched products

#### Specialty Products & Premixes

Jubilant Ingrevia offers Specialty Feed Supplements & Additives and Premixes to integrators, feed millers and commercial farmers across the globe, thus helping them to continuously increase their returns on investments. These specialty products and premixes are added in feed at different inclusion level that improves animal

PRODUCT CATEGORY	PRODUCT	PRODUCT DESCRIPTION
Gut Health Solutions	ButyMax®	Targeted gut action with micro-encapsulated butyric Acid for maximising gut health
	Jubacid®	Unique blend of organic acids for prolonged action on feed and gut.
Feed Quality Solutions	Acifeed® Aqua	Broad spectrum acidifier for Aqua
	Aflasil® Forte	Clay based broad spectrum mycotoxin binder
	Toxicop®	Complete organ protection at high levels of mycotoxicity for Poultry, Dairy & Aqua
	Acifeed®	Broad spectrum acidifier for poultry
	Brotox®	Broad spectrum toxin binder
Transition Cow Solution	Anichol™-RP	Encapsulated choline chloride for proper fat mobilisation in Dairy Cows
	Niacon®-RP	Encapsulated niacin for negative energy balance
Inorganic Mineral Solutions	Jubimin®	High performance inorganic trace mineral premix
	Jubimin® Plus Aqua	High performance inorganic trace minerals for aqua
	Nutra Plus® DP	In-organic mineral premix for dairy animals
Organic Mineral Solutions	Hi-Pro-Min™	Highly bioavailable & stable glycine Chelated minerals for Superior performance
	Nutra Plus® Gold	Scientific blend of vitamin & mineral premixes for dairy animals
	Nutra Plus® Trace	Highly bioavailable organic mineral premix for dairy animals
Feed Efficiency Solutions	JubidoI®	Natural emulsifier with low critical micellar concentration ensuring reduction in feed cost
	Jubizym® Total	Balanced enzyme mix fortified with probiotics for maximum nutrients release
	Hizyme® Xylanase	Unique xylanase scientifically designed for consistent premium performance
	Hi-Feed™ Phytase	Thermo-tolerant micro-granulated phytase to maximize phosphorus utilization at lower cost
Anti-Stress Solution	Encromix®	Highly bioavailable chromium to optimise performance through efficient energy utilization
	Encromix® D	Chromium enriched energy premix to combat stress condition in dairy animals
	Osmobetaine	98% Betaine hydrochloride for osmo-regulation support
Milk Quality Solutions	Jubimeth RP™	Encapsulated methionine for milk quality improvement
Hepato Protection Solution	Anichol™-L	Liquid Formulation for nourishment, detoxification and rejuvenation of vital organs

performance or improves quality of feed by preventing against certain disease conditions. The encapsulated product range has proven efficacy in various animal species and are well defined with dissolution studies to ensure performance.

### Manufacturing

The manufacturing facility is certified by ISO 9001:2008 and is FAMI-QS quality compliant with a production capacity of 24000 MT/annum for Choline Chloride and 5000 MT/annum for premixes. To have complete control over all quality aspects, the Choline Chloride manufacturing plant which is located in Vadodara, Gujarat, India, has a backwardly integrated corn cob manufacturing facility, which is unique to the organisation. The highly sophisticated on-site quality control laboratory along with the elaborate QC and QA protocols ensure that Jubilant stands up to its most precious promise to the world - *consistent delivery of topmost quality*. The Choline Chloride plant is with programmable logic controller (PLC) automated system for manufacturing best in class products. Raw materials that are conformed to specification are used for manufacturing of international standard products.

### Strength

- High Quality products- Feed additives & premixes are produced with adherence to highest production

standards which ensure best in class product quality and makes the products free of related impurities and safe for human handling

- Assurance of quality- certificate of analysis of all approved materials and release for dispatch
- World class R&D facilities
- Diversified services to customers
  - Technical Services like Feed Formulation, Trail Designing, Farm Audit, etc.
  - Analytical services like On-Spot Demo Kits, Lab Testing Services, Design & Audit of Laboratory, etc.
  - Training services like Farm Management Practices, Technical Seminars, Farmer Group Meetings, etc.
  - IT Services like Dosage Calculators (OpReChol), Feed Formulation Estimator etc.

### Customised Manufacturing Services

Apart from production and marketing of our own range of products; we are in the business of customised development and manufacturing of products for our valued clients. Our scientific capabilities in Research and Development power our throughputs and we have successfully developed customised products for a range of customers at economical costs.



**Ingrevia** is born out of a union of 'Ingredients' and 'Life' ('Vie' in French). Jubilant Ingrevia Limited is committed to offering high quality and innovative life science ingredients to enrich all forms of life.

Jubilant Ingrevia Limited, a global integrated Life Science products and Innovative Solutions provider is focused on bringing value to its stakeholders in a sustainable manner. A science active company with five state-of-the-art manufacturing facilities and R&D centres in India. Through its businesses of Specialty Chemicals, Nutrition & Health Solutions and Life Science Chemicals, it is serving fast-growing and diverse industries such as Pharmaceuticals, Agrochemicals, Nutrition, Consumer and Industrial applications.

## MANUFACTURING FACILITIES

### UTTAR PRADESH

- Gajraula

### GUJARAT

- Bharuch
- Samlaya

### MAHARASHTRA

- Nira
- Ambarnath

## OFFICE LOCATIONS

### India

#### Maharashtra

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