

**VITAMIN B3**  
(NIACINAMIDE AND NIACIN)





## VITAMIN B3 - NIACINAMIDE & NIACIN

Jubilant’s complete backward integration to the basic feedstock enables unmatched advantages of consistent quality and availability for Niacinamide & Niacin, leveraging its global scale of Pyridine and Beta Picoline manufacturing operations.

### PRODUCT VARIANTS

<b>Product Name</b>	Niacinamide	Niacin
<b>Synonyms</b>	Nicotinamide, Nicotinic Amide	Nicotinic Acid, VitaminPP
<b>Chemical Name</b>	3 - Pyridine-Carboxylamide	3 - Pyridine-Carboxylic Acid
<b>Chemical Formula</b>	C6H6N2O	C6H5NO2
<b>CAS Number</b>	98-92-0	59-67-6
<b>Pharmacopeia Compliance Include</b>	USP/EP/BP/JP/ FCC/GB/IP	USP/EP/BP/JP/ FCC/GB/IP
<b>Grades</b>	Powder, Fine Granular and Granular	Powder and Granular

## Vitamins Vitamin B3

Jubilant is currently among the **Top 2 largest manufacturers of Niacinamide & Niacin (Vitamin B3) worldwide.** The company enjoys a strong position of trust and reliability with its customers across the globe on account of its quality of products and services.

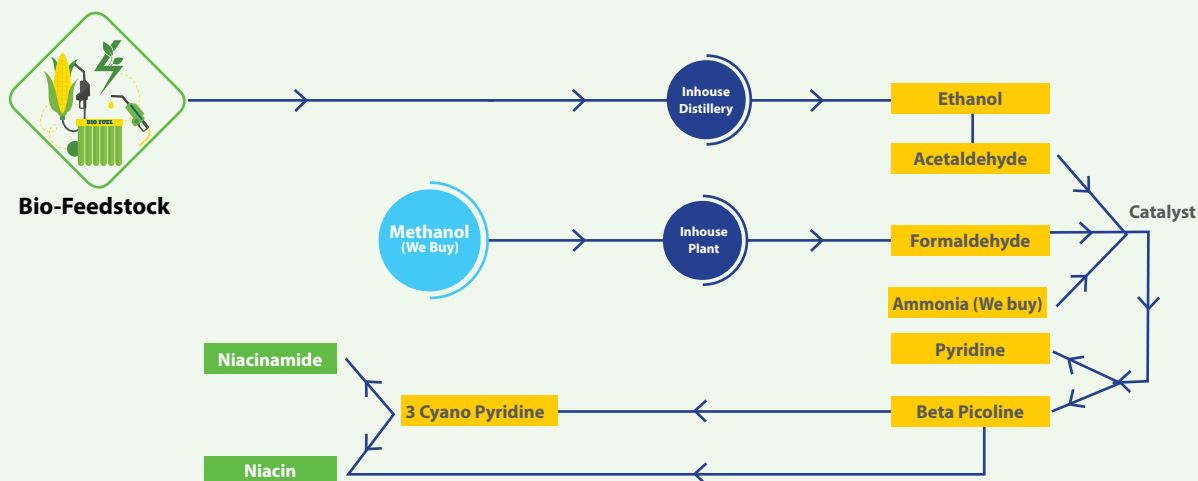
### CERTIFICATIONS

Our production facilities comply with world class standards required for food ingredients manufacturing under

**FSSC -22000, FSSAI, RC 14001:2015, US FFR, Kosher, Halal, ISO, OHSAS, WHO-GMP and FAMI-QS regulations**

### MANUFACTURING OVERVIEW

#### OUR INTEGRATED PRODUCTION PROCESS



Manufacturing Process is seamlessly forward & backward integrated

## APPLICATION AREAS

Vitamin B3 is necessary to maintain energy and general vitality as it helps to release the energy and nutrients from foods. Niacinamide & Niacin, both compounds are identical in their vitamin function.



### Animal Nutrition

Vitamin Premix for Feed in Poultry, Dairy, Swine, Cattle, companion animals, aqua and Veterinary drugs



### Human Nutrition

In Vitamin premix, dietary food supplements, enrichment of breakfast cereals and flour, beverages & energy drinks, infant formulas, baking and confectionery.



### Personal Care

Skin creams, hair lotions and other personal care products.



### Pharmaceuticals

Multivitamin tablets, Niacinamide for treatment of diabetes and Niacin for high cholesterol levels.



### Others

Metal brighteners and metal plating industries. Also used as starting raw material for production of agrochemical molecules.

## OUR DIFFERENTIATORS

### Backward Integration to the Basic Feedstock

The complete backward integration, (Molasses – Alcohol– Acetaldehyde – Pyridine / Beta Picoline – Niacinamide/ Niacin) up to the basic feedstock, this is one of the major advantages that company has over the other manufacturers of Niacinamide and Niacin.

The Bio-ethanol enables Jubilant to use as the primary feedstock for the manufacture of Niacinamide and Niacin.

### Sustainability

**Jubilant Ingrevia is Responsible Care® 14001: 2013 certified** for its Corporate Office, Noida. Sustainability & being Socially Responsible is integral to our business and the certification reinforces Jubilant's continued commitment to ensuring the highest standards of Health, Safety, Security and

Environmental Performance for both its products and operations.

### Care For Environment

Since Jubilant uses bio-ethanol as its primary feedstock unlike other manufacturers who use petroleum based feedstock (Naphtha), it manages to save a considerable amount of Greenhouse Gas Emissions. This process even helps Jubilant's customers build a greener supply chain as they use Niacinamide and Niacin produced by the Company. Jubilant saves an estimated 4.3 and 4.1 tonne CO<sub>2</sub> per tonne of Niacinamide and Niacin produced respectively.

### Global Reach

Jubilant has wholly owned subsidiaries with offices in **US, Europe and China** and strong global sales & distribution networks worldwide.



Jubilant Ingrevia Limited is a global integrated Life Science products and Innovative Solutions provider serving Pharmaceutical, Nutrition, Agrochemical, Consumer and Industrial customers with customised products and solutions that are innovative, cost-effective and conforming to excellent quality standards. The Company offers a broad portfolio of high-quality ingredients that find application in a wide range of industries. The company has 2,100 employees and serves more than 1,400 customers in more than 50 countries across the world. The Company's portfolio also extends to custom research and manufacturing for pharmaceutical and agrochemical customers on an exclusive basis.

### Manufacturing Facility For Vitamins (Niacinamide & Niacin)

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## OFFICE LOCATIONS

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