

Ferric Citrate
 Zinc Gluconate
 Sodium
 Ferric Pyrophosphate
 Ferrous Asparto Glycinate
Iron III Polymaltose Complex
 Ferrous Ascorbate
 Manganese
 Chromium
 Calcium
 Magnesium
 Potassium
 Zinc
 Cobalt
 Calcium Aspartato Glycinate
 Ferric Ammonium Citrate
 Ferrous Bisglycinate
 Iron Isomaltoside
 Calcium Acetate
 Ferric Pyrophosphate Citrate



WEST BENGAL CHEMICAL INDUSTRIES LIMITED

Copper Acetate
 Sodium Butyrate
 Calcium Citrate
 Ferric Orthophosphate
 Calcium Citrate Malate
 Calcium Carboxymaltose
 Ferric Citrate
 Citrate
 Acetate
L - Methylfolate
 Iron Dextran
 Ferric
 Aspartate
 Propionate
Phosphate
 Gluconate
 Glycinate
 Ferrus Glycine Sulphate
 Magnesium Citrate
Sacroferric Oxyhydroxide
 Zinc Citrate
 Potassium Acetate
 Copper Citrate



West Bengal Chemical Industries Limited is one of the world's major manufacturer and provider of specialty mineral salts for the pharmaceutical, nutritional supplement, food, animal feed and gardening applications. Over 55 years of manufacturing experience, combined with an innovative spirit and high flexibility, enables WBCIL to respond to changing needs of the customers. All the products have been designed to provide optimum performance across broader applications. The portfolio includes inter alia Iron, Calcium, Magnesium, Potassium and Zinc salts. Trace elements like Copper, Manganese, Chromium, are part of the product range as well. These minerals are available as Ascorbate, Acetate, Propionate, Phosphate, Citrate, Aspartate, Gluconate, Bisglycinate, Malate and several other anions.

The mineral salts are produced at quality levels stipulated by pharmacopoeias, regulatory food guidelines or customers' specifications. This includes the adaptation of chemical and physical parameters like bulk density, particle size, purity, pH-value etc.

The most skilful and thriving achievement of WBCIL

DC Grade & Premix of APIs

WBCIL production site is cGMP, and ISO 9001:2008 certified. DMF of major products are ready and some have been submitted to USFDA

SPECIALITY

API

Bulk density, Particle size, Flowability, Compressible index, Solubility are designed as par the best to make the formulation

DC Grade

Bulk density, Mesh size, Moisture content, Compressible index, Low cohesion, required hardness

PREMIX

Optimal mixing, Uniformity, Low cohesion

CURRENT SUCCESSFUL PROJECTS

IRON ISOMALTOSIDE

NICORANDIL (JP)

SUCROFERRIC OXYHYDROXIDE

FERRIC CITRATE

FERRIC CARBOXYMALTOSE

FERRIC PYROPHOSPHATE CITRATE

L - METHYLFOLATE (USP)

LIPOSOMAL IRON

PRODUCT COMPENDIUM

IRON

WBCIL has an outstanding and wide range of Iron salts which incorporate the most advanced technologies. The Solubility, Osmolarity, Active Surface Area, Intrinsic Dissolution Rate, Nil Free Ferric and labile Iron are some critical parameters which are maintained in the corresponding products.

FERRIC CITRATE	FERRIC ORTHOPHOSPHATE	IRON DEXTRAN
IRON ISOMALTOSE	FERROUS ASPARTO GLYCINATE	FERROUS BISGLYCINATE
FERROUS ASCORBATE	FERRIC PYROPHOSPHATE CITRATE	FERRIC CARBOXYMALTOSE
FERRIC PYROPHOSPHATE	IRON (III) HYDROXIDE POLYMALTOSE	FERRIC AMMONIUM CITRATE

CALCIUM

Amongst the wide range of Calcium Salts, WBCIL covers the highest bio available, highest absorbable, acid resistant, easy ionizable, less heavy metals variety.

CALCIUM CITRATE	CALCIUM BISGLYCINATE	CALCIUM ASPARTATE
CALCIUM ACETATE	CALCIUM CITRATE MALATE	CALCIUM ASCORBATE
CALCIUM OROTATE	CALCIUM ASPARTO GLYCINATE	CALCIUM LACTOBIONATE

WBCIL manufactures high quality chelated macro and trace minerals which ensures high absorbability, bioavailability and tolerability.

ZINC	MAGNESIUM	POTASSIUM	COPPER
ACETATE	ACETATE	ACETATE	OLEATE
CITRATE	CITRATE	CITRATE	CITRATE
ASPARTATE	ASPARTATE	OROTATE	ACETATE
ASCORBATE	ASCORBATE	GLYCINATE	GLUCONATE
PROPIONATE	PROPIONATE	ASPARTATE	PROPIONATE
GLUCONATE	GLUCONATE	PROPIONATE	BISGLYCINATE
BISGLYCINATE	BISGLYCINATE	MAG. CITRATE	GLYCINE SULPHATE

DC grade (Normal/Customized) are also available for the product

PROFILE OF WBCIL'S DC GARNULES

PRODUCT	TAPPED DENSITY gm/cc (NLT)	UNTAPPED DENSITY gm/cc (NLT)	C.I. (NMT)	ANGLE OF REPOSE	PARTICLE SIZE		AVERAGE TABLET WEIGHT (gm)	ELEMENTAL ASSAY w/w (NLT)
					# 20 MESH	# 80 MESH		
FERRIC CITRATE	1.00	0.90	15	28	80%	20%	1.0	20%
FERROUS ASCORBATE	0.90	0.80	20	26	85%	15%	0.6	20%
FERROUS FUMERATE	0.80	0.70	20	28.5	95%	5%	0.3	28%
IRON (III) HYDROXIDE POLYMALTOSE	0.80	0.65	15	27.8	90%	10%	0.6	30%
FERROUS SULPHATE	1.10	1.00	20	27.5	95%	5%	0.2	28%
CALCIUM CITRATE	0.75	0.65	15	26	85%	15%	1.5	20%
CALCIUM CITRATE MALATE	0.85	0.75	15	28	90%	10%	1.0	20%

VETNOVA a division of West Bengal Chemical Industries Limited has set out itself to be a leading manufacturer of growth promoting brand for livestock. The specialized brands provide the solutions that meet all the customer needs focusing on the decrease of cost and risk of production. VETNOVA thus contributes the added benefit of optimally healthy operating result. High performance feed additives increase health, growth and sustainability in the livestock.

FEED ADDITIVES

SODIUM BUTYRATE
(98%, Coated 30, 60 and 90%)

BUTYRIN

CALCIUM BUTYRATE
(98%, Coated 30, 60 and 90%)

CALCIUM PROPIONATE

SODIUM PROPIONATE

AMMONIUM PROPIONATE

POTASSIUM DIFORMATE

CHELATED MINERALS
(Fe, Zn, Mn, Mg, Cu, Co, Cr, Se)

SODIUM ISOBUTYRATE

WEST BENGAL CHEMICAL INDUSTRIES LIMITED

(A Joint Venture with Government of West Bengal)

A cGMP & ISO 9001 : 2008 Certified Company

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