



Extraordinary Products from Basic Chemicals



Chelated Minerals, Injectable API, Mineral Complexes, DC Grade and Premix of APIs are the most skillful and thriving achievements of WBCIL.

PROUD **PATENT CERTIFICATES 7** MOLECULES

- > Ferric Carboxymaltose 370845
- > Iron-Isomaltoside 381772
- > Iron (III) Coordination Complex 412127
- > Ferric Derisomaltose 388898
- > Ferric Citrate 356552
- > Sucroferric Oxyhydroxide 419785
- > Enclomiphene Citrate 389779



West Bengal Chemical Industries Limited is one of the world's major manufacturers of mineral chelates and complexes for the pharmaceutical, neutraceutical, food, animal nutrition and agricultural applications. Over 60 years of manufacturing experience (initiated by German collaboration) combined with an innovative spirit and high flexibility enable WBCIL to respond to changing needs of the customers.

All the products have been designed to ensure optimum performance across a broader application. The portfolio includes inter alia Iron, Calcium, Magnesium, Potassium and Zinc salts. Trace elements like Copper, Manganese, Chromium, Boron are part of the product range as well. The minerals are majorly available in form of chelates and complexes as Ascorbate, Acetate, Propionate, Pyrophosphate, Citrate, Aspartate, Gluconate, Bisglycinate, Malate and with several other anions. WBCIL has manufacturing facilities in Kolkata and Dahej (Gujarat) where both are boasted with cGMP, ISO and HACCP certification. Kosher and Halal certification are also provided on demand of customers.

With a sound Quality Management System in place WBCIL's products have audit proved DMF in CTD Formats and some DMF have been submitted to USFDA. All the products are produced at quality levels stipulated by pharmacopoeias, regulatory food guidelines or customer's specifications. This includes the adaptation of chemical and physical parameters like bulk density, particle size, purity, pH-value and some other customer specified critical aspects. WBCIL has a strong research and development team who are working incessantly on latest available molecules like Iron Isomaltoside, Ferric Citrate, Ferric Pyrophosphate Citrate, Liposomal Iron, L - Methyl Folate, Ferric Maltol, Ferric Carboxymaltose, Ferric Derisomaltose, Calcium Lactate Gluconate etc. to keep up with the world market.

Product Compendium



WBCIL has an outstanding and wide range of Iron salts which incorporate the most advanced technologies. The Solubility, Osmolality, Active surface area, Intrinsic dissolution rate, Nil free ferric and Labile iron are some critical parameters which are maintained in the corresponding products.

- > Liposomal Iron
 - > Ferric Citrate
 - > Iron Isomaltoside
 - → Iron III Hydroxide Polymaltose → Ferric Maltol
 - > Ferric Pyrophosphate

- > Ferrous Ascorbate
- > Iron Sucrose
- > Ferrous Bisglycinate
- > Ferric Ammonium Citrate
- > Ferric Carboxymaltose
- > Ferric Pyrophosphate Citrate
- > Ferrous Asparto Glycinate
- > Ferric Derisomaltose
- > Ferric Orthophosphate

CALCIUM

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

- > Calcium Citrate
- > Calcium Acetate
- > Calcium Bisglycinate
- > Liposomal Calcium
- > Calcium D- Saccharate
- > Calcium Orotate
- > Calcium Citrate Malate
- > Calcium Aspartate
- > Calcium Gluconate (Inj)
- > Calcium Borogluconate
- > Calcium Asparto Glycinate
- > Calcium Lactate Gluconate
- Calcium Ascorbate
- Coral Calcium
- > Calcium Amino Acid Chelate





- > Liposomal
- Acetate
- Propionate
- > Citrate
- > Ascorbate
- > Aspartate
- Bisglycinate
- > Gluconate



- > Liposomal
- > Acetate
- > Propionate
- > Citrate
- > Ascorbate
- → Aspartate
- > Bisglycinate
- Gluconate



- > Acetate
- > Propionate
- > Citrate
- → Glycinate
- Orotate
- > Mag. Citrate
- > Aspartate



- > Acetate
- > Propionate
- > Citrate
- > Bisglycinate
- Oleate
- Glycine Sulphate
- > Gluconate

Other Products

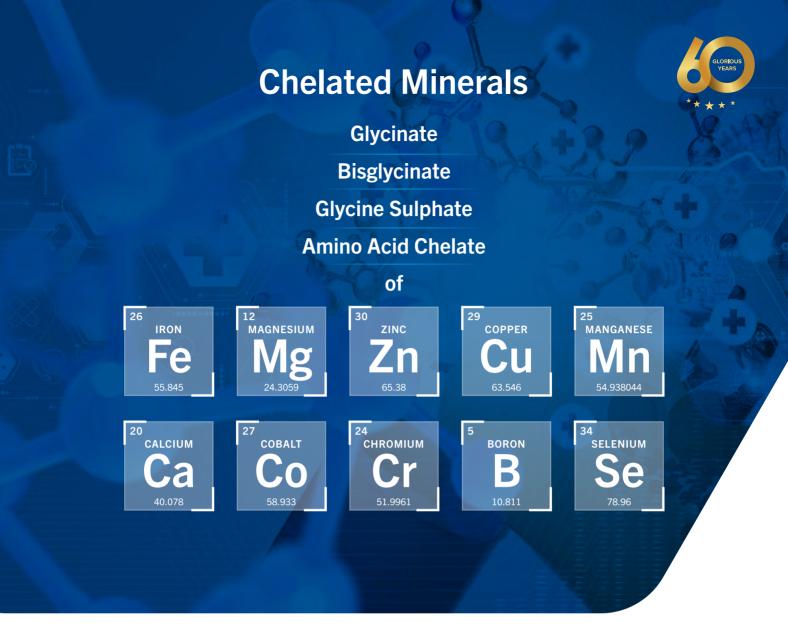
- > L-Methylfolate
- > Boron Citrate
- > Boron Glycinate
- > Sucroferric Oxyhydroxide
- > Enclomiphene Citrate
- > Sodium Butyrate Food / USP
- Calcium Butyrate Food Grade
- > Ulipristal Acetate
- Ascorbyl Palmitate
- > Dimethyl Fumarate
- > L Ornithine L Aspartate

Organic Molecules

- → Aripiprazole
- → Meclizine Hcl
- → Lamotrigine
- → Risperidone
- > Ropivacaine
- → Telmisartan
- → Metformine Hcl

Animal Nutrition

- > Sodium Butyrate (98%, Coated 30, 60 and 90%)
- > Calcium Butyrate (98%, Coated 30, 60 and 90%)
- Sodium Isobutyrate
- Calcium Propionate
- Sodium Propionate
- > Ammonium Propionate
- > Potassium Formate / Diformate
- Mineral Chelated (Fe, Zn, Mn, Cu, Se)



DC Granules

PRODUCT	TAPPED DENSITY gm/cc (NLT)	UNTAPPED DENSITY gm/cc (NLT)	C.I (NMT)	ANGLE OF REPOSE	PARTICLE SIZE			Elemental
					#20 mesh	#80 mesh	TABLET WEIGHT (gm)	Assay w/w (NLT)
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%





