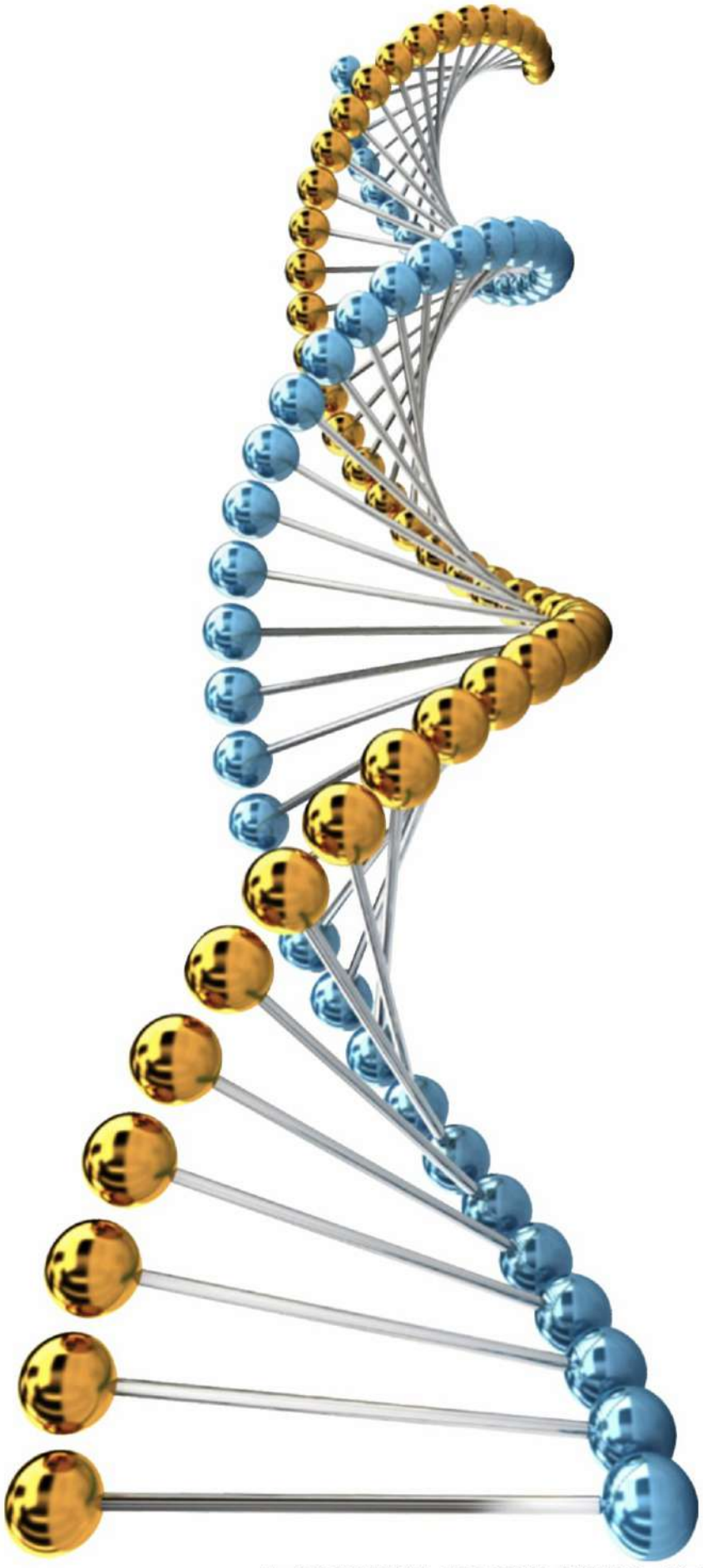
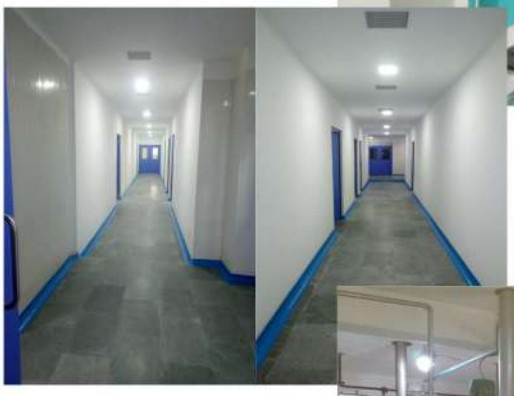


Patel Chem
Specialities Limited

Consistency is the speciality

An ISO 9001:2015, GMP, FSSAI, HACCP Certified & FDA Approved Company
Manufacturer of : Pharmaceutical Excipients & Speciality Chemicals



Patel Chem Specialities Limited (PCSL) established in year 2008, strategically located in heart of Chemical Industrial Zone in Ahmedabad, Gujarat.

PCSL is ISO, GMP, FSSAI, HACCP certified and Indian FDA approved manufacturer of quality Pharmaceutical Excipients and Speciality Chemicals like ...

1. ***Rheollose***® - Sodium Carboxymethyl Cellulose IP, BP, EP, USP-NF
2. ***Disolwell***® - Croscarmellose Sodium IP, BP, EP, USP-NF
3. ***BlowTab***® - Sodium Starch Glycolate IP, BP, EP, USP-NF
4. ***Swellcal***® - Carboxymethylcellulose Calcium (Calcium CMC) IP, JP, BP, EP, USP-NF
5. ***Hindcel***® - Microcrystalline Cellulose IP, BP, EP, USP-NF
6. Magnesium Stearate IP, BP, EP, USP-NF
7. Pregelatinized Starch IP, BP, EP, USP-NF
8. Sodium Monochloro Acetate

For PCSL, quality is a way of Success. An uncompromising commitment for quality products in every sphere of work. Stringent quality control procedures bring out the best results.

About us :

An Indian FDA approved manufacturing facility

Have Installed capacity of total 5000 MT/Annum

Implimenting Good Manufacturing Practice (GMP)

Certified Quality Control policy (ISO 9001:2015)

HALAL Certified Products

KOSHER Certified Products

Customer Base of more than 200 satisfied Customers across the Globe

We Export our products to more than 12 Countries...

Rheollose® - Sodium Carboxymethyl Cellulose IP, BP, EP, USP-NF

Carboxymethyl Cellulose Sodium is a Cellulose Ether Gum. It is a odorless, tasteless non toxic powder soluble in both hot and cold water. CMC has functions of thickening, binding, stabilizing, suspending, emulsifying etc.

In syrups and dry syrups, SCMC is used as thickener and as a suspending agent. In Ointments, SCMC is used as binder.

Product Specification

Type	Colour	Active Matter	Degree of Substitution	pH of 1% solution	Viscosity in 1% solution	Moisture
LVP	White	99% Min.	0.7 Min.	6 to 8	30-100 cps	10% Max.
MVP	White	99% Min.	0.7 Min.	6 to 8	100-250 cps	10% Max.
HVP	White	99% Min.	0.7 Min.	6 to 8	250-600 cps	10% Max.
DVP	White	99% Min.	0.7 Min.	6 to 8	600-1200 cps	10% Max.
DVP Spl.	White	99% Min.	0.7 Min.	6 to 8	1200-2200 cps	10% Max.
H3	White	99% Min.	0.7 Min.	6 to 8	2200-3200 cps	10% Max.
H4	White	99% Min.	0.7 Min.	6 to 8	3200-4200 cps	10% Max.
H5	White	99% Min.	0.7 Min.	6 to 8	4200-6200 cps	10% Max.

Precautions :

Although Sodium CMC is more resistant to microbiological attack than other water-soluble, its solution is not immune. When solution is stored, a preservative should be added to prevent viscosity degradation.

Packing :

CMC is available in 25 Kraft paper bags with inside L.D. liner. Also available in Drums on request.

Stability & Storage :

The product is stable when sealed container stored in shady, dry and ventilated warehouse under normal condition. The product is hygroscopic in nature.

Disolwell® - Croscarmellose Sodium IP, BP, EP, USP-NF

- ***Disolwell***® is Crosslinked Polymer of Carboxymethyl Cellulose Sodium, it is white fibrous powder.
- ***Disolwell***® - Croscarmellose Sodium is used as a superdisintegrant in pharmaceutical formulations.
- ***Disolwell***® - provides superior drug dissolution and disintegration characteristics.
- ***Disolwell***® is effective for combination with both insoluble and filler-binders, such as MCC and DCP.
- Tablet dissolution can be greatly increased by the use of a super disintegrant.
- Efficient for low use of levels. Insensate hardness of tablet.
- Finer dissolution stability for long term. Used in solid dosages vitamin and nutrition.

Product Specification :

Index	Specifications
Appearance	White free flowing powder
Identification	Passes
Content of Water Soluble Material	NMT 10.0%
Setting Volume	B/W 10 to 30 ml.
Degree of Substitution	B/W 0.60 to 0.85
Sodium Chloride & Sodium Glycolate	NMT 0.5% w/w
pH of Solution (1.0% w/v)	B/W 5.0 to 7.0
Loss of drying (at 105^{0}C)	NMT 10.0% w/w
Heavy Metals	NMT 10 ppm
Sulphated Ash	B/W 14% to 28%
Arsenic	NMT 2 ppm
Residual Solvents	NMT 3000 ppm
Microbial Limits :	
Total Aerobic Count	NMT 1000 cfu/g
Total Fungi	NMT 100 cfu/g
Escherichia Coli	Not detected
Salmonella Species	Not detected
Pseudomonas Aeruginosa	Not detected
Staphylococcus Aureus	Not detected

Packing :

25 kg Fiber / HDPE drums / Corrugated Box, with inside LDPE liners.

Stability & Storage :

The product is stable when sealed container stored in shady, dry and ventilated warehouse under normal condition.
The product is hygroscopic in nature.

BlowTab® - Sodium Starch Glycolate IP, BP, EP, USP-NF

- ***BlowTab***® is produced by cross-linking and carboxy-methylation of starch. It is a white free flowing powder.
- ***BlowTab***® - Sodium Starch Glycolate is used as a rapid-distintegrant in pharmaceutical formulations.
- ***BlowTab***® is suitable for a variety of tablet and capsule formulations.
- ***BlowTab***® can act as a dissolution enhancing agent.
- ***BlowTab***® offers excellent formulation and commercial benefits to the pharmaceutical industry.

Product Specification :

Index	Specifications
Appearance	White powder
Identification	Passes
Assay (Na content, chemically linked)	B/W 2.8% and 4.2%
Sodium Chloride content	NMT 7% w/w
Sodium Glycolate content	NMT 2% w/w
Loss of drying (at 105^{0}C)	NMT 10.0% w/w
pH of Solution (1.0% w/v)	B/W 5.5 to 7.5
Iron (Fe)	NMT 20 ppm
Heavy Metals	NMT 20 ppm
Residual Solvents	NMT 3000 ppm
Microbial Limits :	
Total Aerobic Count	NMT 1000 cfu/g
Total Yeast and Moulds	NMT 100 cfu/g
Escherichia Coli	Not detected
Salmonella Species	Not detected
Pseudomonas Aeruginosa	Not detected
Staphylococcus Aureus	Not detected

Packing :

25 kg Fiber / HDPE drums / Corrugated Box, with inside LDPE liners.

Stability & Storage :

The product is stable when sealed container stored in shady, dry and ventilated warehouse under normal condition. The product is hygroscopic in nature.

Swellcal® - Carboxymethylcellulose Calcium (Calcium CMC) IP, JP, BP, EP, USP-NF

Calcium CMC is calcium salt of Carboxymethylcellulose. It is highly pure white powder used for tablet disintegration. Carmellose Calcium performs well with hard tablets where other disintigrants do not perform well.

Product Specification :

No.	Index	Specifications
1	Description	White Fine Powder
2	Identification A, B, C, D	Passes
3	Alkalinity Test	Passes
4	Chloride	0.36% Max.
5	Residue on Ignition	10% - 20%
6	Loss on Drying	10% Max.
7	pH	4.5 to 6.0
8	Silicate	1.5% Max.
9	Sulfate	1.0 Max.
10	Arsenic	0.001% Max.
11	Heavy Metals	20 ppm Max.
12	Starch Test	Negative
13	Organic Volatile Impurities Test	Passes

Packing :

25 kg Fiber / HDPE drums / Corrugated Box, with inside LDPE liners.

Stability & Storage :

The product is stable when sealed container stored in shady, dry and ventilated warehouse under normal condition. The product is hygroscopic in nature.

Hindcel® - Microcrystalline Cellulose IP, BP, EP, USP-NF

Microcrystalline Cellulose is a versatile product and used in pharmaceutical formulations as Excipient. MCC is also used in food industries as an anti-caking agent and a bulking agent.

Microcrystalline Cellulose is derived from wood pulp and the most common form is used in vitamin supplements or tablets.

Product Specification :

MCC Type	Average Particle Size (Microns)	Bulk Density	Application
Hindcel 101	60	0.25 - 0.35	Most suitable for wet granulation and direct compression
Hindcel 102	95	0.26 - 0.40	Larger particle size then MCC 101, good flow and high compatibility, suitable for direct compression activity.
Hindcel 103	60	0.25 - 0.35	Same as grade 101, but with low moisture content for processing water sensitive actives
Hindcel 105	25	0.20 - 0.25	It has the finest particle size and may be used in direct compression of coarser, granular and crystalline materials
Hindcel 112	95	0.30 - 0.40	Same as grade 102, but with low moisture content for processing water sensitive actives
Hindcel 200	200	0.35 to 0.50	It has a large particle size which offers increase flow ability with minimum effect on compression characteristics
Hindcel 301	60	0.35 - 0.45	Same as grade 101, but with higher Bulk Density & improved flow properties
Hindcel 302	95	0.35 - 0.45	Same as grade 102, but with increased bulk density and improved flow properties. Suitable for high speed tableting and potential for smaller tablet.

Packing :

25 kg HDPE bag with PE liner or 20 kg Fibre Drum with inside Liner.

Stability & Storage :

The product is stable when sealed container stored in shady, dry and ventilated warehouse under normal condition. The product is non hygroscopic in nature and has long shelf life.

Magnesium Stearate IP, BP, EP, USP-NF

- Magnesium Stearate is the most commonly used lubricant for tablets. Magnesium Stearate is also useful because it has lubricating properties, preventing ingredients from sticking to manufacturing equipment during the compression of chemical powders into solid tablets.
- Magnesium Stearate is often used as an anti-adherent in the manufacture of medical tablets, capsules and powder.
- Magnesium Stearate can also be used efficiently in dry coating processes.
- Magnesium Stearate is also used to bind sugar in hard candies like mints, and is a common ingredient in baby formulas.

Product Specification :

Index	Specifications
Appearance	White or almost white, very fine, light powder, greasy to the touch
Identification	Passes
Assay (Magnesium)	B/W 4.0 and 5.0%
Chlorides	NMT 0.1%
Sulphates	NMT 1.0%
Cadmium	NMT 3 ppm
Nickel	NMT 5 ppm
Lead	NMT 10 ppm
The sum of the stearate and palmitate peaks	NLT 40% for the stearate peak and the sum of the stearate and palmitate peaks is NLT 90% of the total peak areas of all the fatty acids.
Acidity or Alkalinity	NMT 0.05 ml. of 0.1 N Hydrochloric acid or NMT 0.1 N sodium hydroxide is required to change the color of the indicator
Loss on Drying (dry at 105°C)	NMT 6.0% w/w
Solubility	Practically insoluble in water and in anhydrous ethanol
Microbial Limit :	
Total Aerobic Count	NMT 1000 cfu/g
Total Yeast and Molds	NMT 100 cfu/g
Escherichia coli	Not detected
Salmonella	Not detected

Packing :

25 kg HDPE Bags & Drums

Stability & Storage :

The product is stable when sealed container stored in shady, dry and ventilated warehouse in normal condition.

Pregelatinized Starch IP, BP, EP, USP-NF

- Pregelatinized starch is Physically modified starch, it is partially soluble in Cold water.
- Pregelatinized starch is widely used in pharmaceutical because it is bland, odourless and capable of digestion.
- Pregelatinized Starch swell in cold water and therefore reduce time/cost compared with traditional starch paste preparation.
- Pregelatinized starch is widely used as a pharmaceutical aid, especially as a filler-binder.
- Pregelatinized starch greatly endues the compressibility as well as improves the fluidity of the tablets.
- Pregelatinized Starch, having excellent flow properties and bulk density, allow homogenous filling of capsules.
- Pregelatinized food starch used as thickening, texturing and stabilizing agent in cream fillings, canned, sauces, soup mixes, gravies, tomato ketchup, pasty creams, dairy desserts and other food product industries.

Product Specification :

Index	Specifications
Appearance	White or Yellowish - White Powder
Solubility	It swells in colde water
Identification	Passes
pH	B/W 4.5 to 7.0
Oxidizing Substances	NMT 20 ppm
Sulfar dioxide	NMT 50 ppm
Iron	NMT 20 ppm
Loss on Drying (dry at 130°C for 90 min.)	NMT 15.0% w/w
Sulphated Ash	NMT 0.6%
Particle size passing through 60 mesh	NMT 95%
Microbial Limit :	
Total Aerobic Count	NMT 1000 cfu/g
Total Yeast and Molds	NMT 100 cfu/g
Escherichia coli	Not detected
Salmonella	Not detected

Packing :

25 kg HDPE Bags & Drums

Stability & Storage :

The product is stable when sealed container stored in shady, dry and ventilated warehouse in normal condition.

Sodium Monochloro Acetate

Sodium Monochloro Acetate is derived from Monochloro Acetic Acid by neutralizing with alkali. It is white, hygroscopic powder.

It is used as a raw material for producing Citrazin medicine and it is basic raw material to produce CMC, Cross carmelose Sodium, SSG etc.

Product Specification :

No.	Particulars	Specifications
1	Chemical Name	Sodium Monochloro Acetate
2	Molecular Formula	ClCH2COONa
3	Molecular Weight	116.5
4	Colour & Appearance	White Powder
5	Solubility in Water	Soluble in Water
6	Description	Very Hygroscopic White Powder
7	Purity	98% Min.
8	Sodium DCA content, % by mass	0.5 Max.
9	Free MCA content, % by mass	0.15 Max.
10	Sodium Glycolate content, % by mass	0.3 Max.
11	Sodium Chloride as NaCl content, % by mass	1.5% Max.
12	pH 5% solution, 28^{0}C temp.	5 to 7
13	Moisture Content, % by mass	1.5% Max.

Packing :

Available in 50 kg HDPE & 25 kg UN approved Bag.

Stability & Storage :

The product is stable when sealed container stored in shady, dry and ventilated warehouse under normal condition. The product is hygroscopic in nature.

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Pharmaceutical Excipients & Speciality Chemicals

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