



Relco Pharma Chem Private Limited

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RELCOTM

"Innovation For Polymer Chemistry"

Relco Pharma Chem is a pharmaceutical polymers manufacturers products of ReEpol, Resol, Relyon, Relyon-Z-314.

The Company was Founded in 2019 in Gujarat, India. Perfection does not begin at the manufacturing plant, it begins in mind it is a challenge the Relco, has overcome through diligence and discipline and by encouraging its employees to develop a sense of pride in their jobs. The company is built on a strong foundation centered on honesty, integrity and most importantly on strong belief in customer's satisfaction. We have State of art high class machineries and lab equipments with quality control and laboratory.

Relco Pharma Chem is engaged in producing basically used in various sectors like Pharmaceutical, Cosmetic, Food, Herbal, Ayurvedic, Nutraceutical, Sustained release, Thickening, Suspending agent, Solubilizer, Taste masking polymer, Super disintegrant, Lubricant, Topical application, Hair gel, Cream, Shampoo, etc. Our polymers complies with international standards like USP/NF and EP along with USFD, HALAL, KOSHER certificates are available for the entire product range. We believe quality control at every stage of business cycle, Viz. marketing – Designing – Planning – Receiving – inspection – Manufacturing Process control – Finished products inspection – shipping – credit control. Relco Pharma Chem constantly strives to upgrade its processes and incorporate international development standard through customer feedback and market requirements.

OUR UNIQUENESS

Developing products with total basically supports to the customers and provide logistic to maintain balanced inventory, We have a OEMs network all over india, We are also manufacturing various special products for prestigious products. Which they found very cost-effective by taking help of our in-house R & D and quality control process, as it saves their additional cost of time and money being spent upon doing testing/control at their end.

SERVICE

Our goal is to build long term customer relationship built on mutual satisfaction. Our principle values are therefore reliability and personal service. We guarantee that you will prompt answer on your inquiry and we always happy to work with you.



OUR PLEDGE TO CUSTOMERS

- Customer Satisfaction
- A High Quality And Uniform Product
- Reliable Service
- Well Defined Quality System
- Meeting Technical Requirements
- Delievery Schedule of Customers
- Updation of Inspection & Testing Capabilities



MANUFACTURING FACILITIES

- Inbuilt Laboratory Facility
- Cost Effective And Customized Solution
- Latest Manufacturing Facility & Equipment with Closing System
- Quality Control Lab with Fully Automatic Equipments
- All Configuration Testing
- Highly Skilled And Experienced Technical Person



OUR STRENGTHS

- Skilled Employees
- Assurance Of Quality Products
- After Sales Services
- Surity Of Good Service And Fair Dealigs
- Working For Customers Needs & Requirements
- Inventory Contr Methods Applied



AUTHORIZATION

- ISO 9001 : 2015 Certified
- KOSHER
- HALAL
- Effci GMP
- IEC Code

REEPOL

Reepol Rheology modifiers range is a synthetic high molecular weight cross linked water soluble polymer of Acrylic acid, which is known as carbomer. It is widely used in cosmetic, pharmaceutical and household industries. It is a fine white powder.

It is Available in Powder and Liquid form, which is soluble in water, alcohols and glycols. Before neutralization pH of Reepol grade solution lies between 2.5 and 3.0 built on mutual satisfaction. Our principle values are therefore reliability and personal service. We guarantee that you will prompt answer on your inquiry and we always happy to work with you.

General Application

Thicken : Product wide range of viscosities and Flow Properties

Suspend : Insoluble Ingredients

Stabilize : Emulsion

GRADE	AVAILABLE	INCI	APPLICATION
REEPOL 940	POWDER	CARBOMER	Creams , Hair Gels, Aloe vera gels, Peel of Mask
REEPOL 980			
REEPOL 934	POWDER	CARBOMER	Creams , Toothpastes, Lotions
REEPOL 974			
REEPOL 941	POWDER	CARBOMER	Skin Clear gels , Lotions , Hydrogen Peroxide Gels, Hard Surface Cleaners
REEPOL 971			
REEPOL 990	POWDER	CARBOMER	Creams , Toothpastes, Lotions
REEPOL 956	POWDER	CARBOMER	Hydroalcoholic gels , Hand Sanitizers
REEPOL 950	POWDER	CARBOMER	Dish Washing Liquieds, General Sanitizing , Toilet Cleaners, Home care cleaning System, Fuel gels
REEPOL 934P / 974P	POWDER	CARBOMER	Creams, Hair Styling gels, Lotion, Moisturizing gels
REEPOL ELT -10	POWDER	ACRYLATES CROSSPOLYMER	Shampoo, Face Wash, Electrolyte gel, Creams, Lotion, Moisturizing gels , Hand Sanitizer
REEPOL ET 2020	POWDER	ACRYLATES CROSSPOLYMER	Shampoo, Face Wash, High Electrolyte gel, Creams, Lotion , Liquied Detergents
REEPOL ELT - 20 REEPOL ELT - 21	POWDER	ACRYLATES CROSSPOLYMER	Creams, High electroyte gels, Lotion, Moisturizing gels

Viscosity : PH of 1% Solution 2.5 to 3

Product	Minimum Viscosity (cps)	Maximum Viscosity (cps)
REEPOL 940/980	40000	60000
REEPOL 934/974	30000	40000
REEPOL 934P/974P	29500	39500
REEPOL 941/971	4000	11500
REEPOL 990	52000	55000
REEPOL 950	50000	60000
REEPOL 956	30000	40000
REEPOL ELT - 10	20000	35000
REEPOL ELT - 21	45000	65000
REEPOL ELT - 20	45000	70000

Viscosity of neutralized solution is to be measured at 25°C

Advantages

- Thickening Efficiency** : High Viscosity At Low Concentration
- Uniform Performance** : Carbomer Gives Uniform Viscosity Performance, While Natural Gums Vary In Their Performance
- Temperature Stability** : There Is No Significant Effect Of Temperature On Polymer
- Unaffected By Aging** : Excellent Shelf Life
- Microbial Resistance** : Resists Bacterial Attack And Does Not Support Mould Growth
- Versatility** : Although Primarily Used In Aqueous Systems With Neutralization, It Can Also Be Used In Solvent Systems, With or Without Neutralization
- Elegance** : Smooth And Luxurious Feeling

Toxicity

REEPOL range is a high molecular weight polymer. It cannot be absorbed by body, thus it is totally safe for human consumption. Test for toxicological tolerance shows that it does not have any pronounced, physiological action and is non-toxic.

Storage & Handling

REEPOL range is highly hygroscopic in supplied form, it contains maximum of 2.0% moisture. When exposed to open air at room temperature and 50% relative humidity, its equilibrium moisture uptake is 8.0%. All moisture uptake does not affect its efficiency but polymer with high level of moisture is more difficult to disperse and weigh accurately. So, Acrypol polymers must be stored in a tightly closed container and away from direct contact with water and excessive humid conditions. REEPOL polymer's efficiency will not get affected up to two hours at temperatures below 104°C. When it is exposed to excessive temperatures, it can be plasticized and lose its characteristics.

Expires

Powder form : Three years from date of manufacturing in intact condition

Liquid form : One year from date of manufacturing in intact condition

Note : Based on our testing, dry REEPOL polymers should last for years if stored properly and protected from moisture and extreme temperature

Packing

10 kg & 20 kg corrugated box with LD bag.



RELYON Polacrillin Potassium

Relyon range is derived from cross linked polyacrylic polymer used in pharmaceutical industry for taste masking of bitter drugs and for drug stabilization. It is white to off white fine powder, swellable in water. Drugs like vitamin B12 degrade during storage, stabilization of such drugs can be done by Relyon polymers.

Taste masked complex of bitter drug can be used for following formulations: Suspension, Dry syrup, Mouth dissolving tablet / Dispersible tablet / Chewable tablet

GRADE	Matrix	Appearance	Type	Ionic form	Moisture content (%)
Relyon Z- 104	Polyacrylic Copolymer	White / off White Powder	Weak acid	Hydrogen	10
Relyon Z- 114	Polyacrylic Copolymer	White / off White Powder	Weak acid	Hydrogen	5
Relyon Z- 123	Polyacrylic Copolymer	White / off White Powder	Weak base	Free Base	10
Relyon Z- 134	Polyacrylic Copolymer	White / off White Powder	Weak acid	Potassium	10
Relyon Z- 154	Polyacrylic Copolymer	off White/Golden yellow Powder	Strong acid	Sodium	10
Relyon Z- 159	Polyacrylic Copolymer	off White/Golden yellow Powder	Strong acid	Hydrogen	10

Drug Specific

GRADE	Drug Masked	Dose
Relyon Z- 135(AZ)	Azithromycin Dihdrate	
Relyon Z- 135(RX)	Roxithromycin	
Relyon Z- 135(CP)	Ciprofloxacin HCl	
Relyon Z- 114 C	Cefuroxime axetil , Cefpodoxime Proxetil	
Relyon Z- 114 A	Chloroquine phosphate, Quinine sulphate	

Advantages

- Fine powder taste masking
- Over night soaking is not required for complexation
- Washing of Kyron / complex is not required
- Provide self disintegration property to the tablets
- Improve stability of liquid / solid formulations
- Allows high drug loading
- Compatible with most of the drugs
- Very user-friendly and cost-effective
- No adverse effect on drug bioavailability

Ready to use

- Excellent taste masking and no bitterness
- It increases productivity tremendously as it is only single step process
- No other excipients are required and very easy to formulate
- Superior quality and good patient compliance.
- Only 15-20 minutes stirring with drug is required for taste masking
- Drying of complex is not required to formulate dry syrup

Toxicity

Relyon range is a very high molecular weight polymer so after decomplexation it does not absorb in body and thus it has no toxicological effect.

Storage & Handling

At low temperature not exceeding 45°C. Protect from moisture

Expires

Traditional grades: Five years from the date of manufacturing in intact condition.
Ready to use grades: Two years from the date of manufacturing in intact condition

Packing

10 kg & 20 kg corrugated drum with LD bag.

Ready to use

Relyon Z- 111 N	Ciprofloxacin HCl	250mg / 5ml
Relyon Z- 112 N	Azithromycin Dihydrate	100mg / 5ml
Relyon Z- 112 BN	Azithromycin Dihydrate	200mg / 5ml
Relyon Z- 113	Ibuprofen	100mg / 5ml



RELYON Z - 314 Polacrillin Potassium

Relyon Z-314 is derived from crosslinked polymer of Polycarboxylic acids as per USP/NF & has the K+ ionic form. It is a very high purity polymer used in pharmaceutical formulations as a super fast disintegrant as well as dissolution improver in solid dosage forms like tablets, capsules, pellets etc. It is available in white free flowing powder hence it is suitable for the both wet granulation as well as direct compression system for tablet formulations.

Application

As Disintegrating agent: Relyon Z-314 has a very high swelling tendency of hydration either in contact with water or G.I. fluids causing fast disintegration without the formation of lumps and thus acts as an effective tablet super disintegrant. Required quantity is from 0.5% to 4.0% to get fast disintegration.

Dissolution Improver

Relyon Z-314 breaks the tablets into very smaller particles, thus it increases the effective surface area for the absorption of the active substances and thus it increases the dissolution and bioavailability of the active substances. Required quantity is from 2.0% to 6.0% for dissolution improvement.

Advantages

- Elimination of lump formation
- Elimination of the sticking problems to the dies and punch
- Compatible with all therapeutic agents and excipients
- Rapid disintegrating agent
- Imparts excellent strength to the tablets
- Improves bioavailability of the drug
- Uniformly mix with low dose tablets blend or formulations
- Smooth surface after storage
- Provide smooth cream-like mouth feel, so more suitable for ODT
- Suitable for both direct compression and wet granulation methods
- White in color
- Directly compressible grade
- Dissolution improver
- Effective at very low concentration (0.5 to 4.0%).

Toxicity

Relyon Z-314 is high molecular weight polymer, so doesn't get absorbed by body tissue and is safe for human consumption. It has no physiological action at recommended dosage and it is non toxic

Storage & Handling

Store in tightly closed container. Keep away from moisture. If moisture is absorbed then dry at 90°C to 100°C to remove moisture content and make it below 10%.

Packing

10 kg & 20 kg corrugated drum with LD bag.

