

Corel Pharma Chem is one of the world's renowned and fastest emerging company in the field of Acrylic based Specialty Polymers for industries like Pharmaceutical, Nutraceutical, Cosmetic, Food, Herbal, Ayurvedic etc. It was established in April 1990 and is located at India's largest chemical belt i.e. Ahmedabad (Gujarat). Corel has technical service lab at its head office and R&D center at manufacturing unit.

Corel Pharma Chem has footprint in more than 60 countries and by its continuous efforts, new innovations and better services, the company satisfies its customer's expectations and thus it is always one step ahead.

Vision

Corel Pharma Chem dedicates itself to offer cutting edge polymer technology solutions. The company shall strive to be the leader in the segments by focusing on R&D.

Mission

We, at Corel Pharma Chem are committed to exceed the expectations of our customers by providing quality products and exceptional services along with continuous improvement and innovation with positive attitude.

Sustainability

Corel's business practice is designed with a mindset of strategic and operative objectives towards a sustainable development in order to meet its environmental, social and economic responsibilities throughout its product life cycle.

R&D Center

- "New Polymer Development" state of art R&D center at plant
- Technology transfer available from pilot to commercial batches
- Provides tailor-made polymers for various applications
- Indigenous technology for polymer development

Technical Service Lab

- Formulations library available for Pharmaceuticals, Nutraceuticals, Cosmeceuticals and Homecare segment
- Centralized Quality Control & Analytical Research Laboratory set up to meet the domestic and international quality standards
- Customer upgradation programs: Joint trials/Seminars/Training school etc.

Manufacturing Facilities

- Most modern manufacturing equipments supported with semi-automatic systems
- Designed to meet the stringent requirements of the regulated market
- Dedicated Quality Control Laboratory equipped with sophisticated instruments to carry out instrumental, chemical and microbiological testing

New Sustainable Manufacturing Facility - Corel Pharma Chem (India) Pvt. Ltd.

- Spread across an area of 70,000 square meters
- Inauguration in April 2024
- Fully automatic DCS operated facility
- Zero discharge and Zero emission facility
- 85% of facility power consumption will be with renewable energy (wind)
- Flawless compliance with GMP certifications (EXCiPACT, USFDA)
- New polymer development facility with QBD compliance
- Full service integration under one roof with 2.5 times expansion of current manufacturing capacity
- Top-tier manufacturing and adaptable supply of standard/speciality polymers

Facility Accreditations



Product Accreditations



COREL PHARMA CHEM

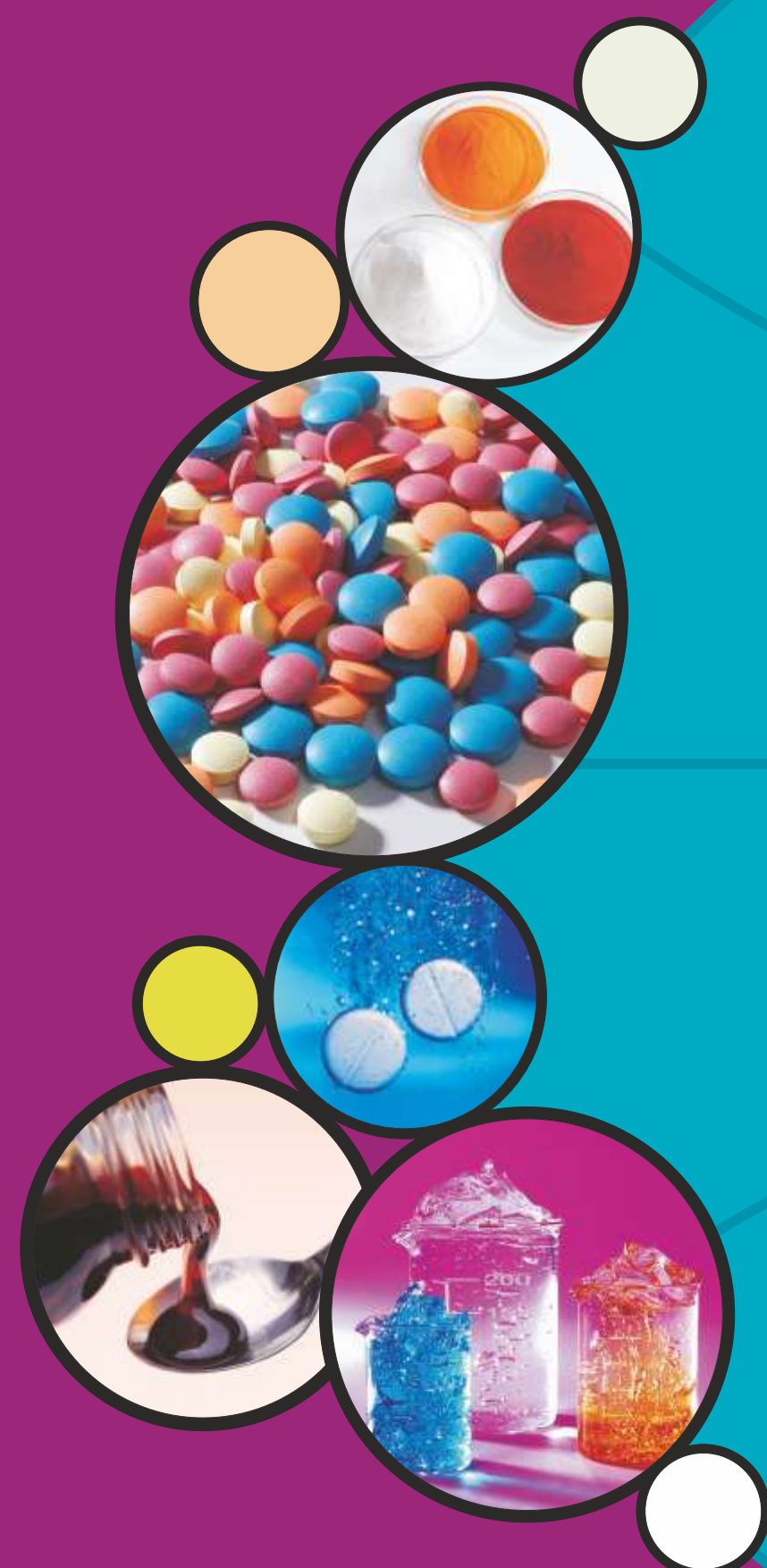
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COREL PHARMA CHEM

the next generation polymer technologist...

DMF Available



Acrycoat
Colorcoat
Kyron
Acrypol
Nutracoat
Acrysol
Acryflow

VERSION - PPL/080124

www.brandaid.in

ACRYCOAT[®] Methacrylic Acid Copolymers

Gastrointestinal Targeting:

The Acrycoat range of products eases specific gastrointestinal targeted drug release which enables formulator to have targeted drug delivery like in Jejunum (5.5 pH), Duodenum (6.0 pH) and Colon (7.0 pH).

Grades	Availability	Pharmacopoeial Monographs	Key Benefits
Acrycoat L100 Colorcoat EC4S (Readymix) Acrycoat L12,5	Powder Organic Solution	USP/NF: Methacrylic Acid and Methyl Methacrylate Copolymer Ph.Eur.: Methacrylic Acid - Methyl Methacrylate Copolymer (1:1)	<ul style="list-style-type: none"> Gastro resistance pH-controlled drug release Gastrointestinal targeting Colon delivery
Acrycoat L100D Colorcoat EC4W (Readymix)	Powder	USP/NF: Methacrylic Acid and Ethyl Acrylate Copolymer Ph.Eur.: Methacrylic Acid - Ethyl Acrylate Copolymer (1:1) Type A	<ul style="list-style-type: none"> Protection of acid-sensitive actives Protection of gastric mucosa from aggressive actives
Acrycoat L100DN	Powder	USP/NF: Partially-Neutralized Methacrylic Acid and Ethyl Acrylate Copolymer	<ul style="list-style-type: none"> Increased drug effectiveness Excellent storage stability
Acrycoat L30D	Aqueous Dispersion	USP/NF: Methacrylic Acid and Ethyl Acrylate Copolymer Dispersion Ph.Eur.: Methacrylic Acid - Ethyl Acrylate Copolymer (1:1) Dispersion 30%	
Acrycoat L30DF2	Aqueous Dispersion	In house	
Acrycoat ERD	Aqueous Dispersion	Ready To Use Enteric Coating Dispersion (In house)	
Acrycoat S100 Acrycoat S12,5	Powder Organic Solution	USP/NF: Methacrylic Acid and Methyl Methacrylate Copolymer Ph.Eur.: Methacrylic Acid - Methyl Methacrylate Copolymer (1:2)	
Acrycoat FS30D	Aqueous Dispersion	Acrylates Copolymer (In house)	

Immediate Release:

The immediate release series works in wide application range which includes tablet binding, taste masking, odor masking and providing protective coatings like moisture protection, film coating etc.

Grades	Availability	Pharmacopoeial Monographs	Key Benefits
Acrycoat EPO Acrycoat E100 Acrycoat E100-40 Acrycoat E12,5	Powder Granules Organic Solution Organic Solution	USP/NF: Amino Methacrylate Copolymer Ph.Eur.: Basic Butylated Methacrylate Copolymer	<ul style="list-style-type: none"> Taste masking through insolubility in salivary media Effective taste and odor masking Excellent moisture protection capacity
Acrycoat Smartseal30D	Aqueous Dispersion	Methyl Methacrylate and Diethylaminoethyl Methacrylate Copolymer Dispersion (In house)	<ul style="list-style-type: none"> Cost-effective application Smooth and glossy surfaces excellent coloration
Acrycoat E30D	Aqueous Dispersion	USP/NF: Ethyl Acrylate and Methyl Methacrylate Copolymer Dispersion Ph.Eur.: Polyacrylate Dispersion 30%	

Controlled Release:

Controlled release series designed to provide desired release profile throughout the gastrointestinal tract to increase the therapeutic effect. Different polymer combinations allow custom-tailored release profiles to achieve the desired drug delivery performance.

Grades	Availability	Pharmacopoeial Monographs	Key Benefits
Acrycoat E30D Acrycoat NM30D	Aqueous Dispersion Aqueous Dispersion	USP/NF: Ethyl Acrylate and Methyl Methacrylate Copolymer Dispersion Ph.Eur.: Polyacrylate Dispersion 30%	<ul style="list-style-type: none"> Reliable time-controlled release Therapeutically customized release profiles
Acrycoat RLPO Acrycoat RL30D Acrycoat RL100	Powder Aqueous Dispersion Granules	USP/NF: Ammonio Methacrylate Copolymer Dispersion, Type A Ph.Eur.: Ammonio Methacrylate Copolymer, Type-A 30%	<ul style="list-style-type: none"> Improved patient compliance Cost-effective processing
Acrycoat RSPO Acrycoat RS30D Acrycoat RS100	Powder Aqueous Dispersion Granules	USP/NF: Ammonio Methacrylate Copolymer, Type B Ph.Eur.: Ammonio Methacrylate Copolymer, Type-B 30%	

Note: Plasticizer needed (where the films are brittle, to improve film elasticity)
Recommended Plasticizers - Triethyl citrate, Castor oil, Propylene glycol, Polyethylene glycol, Dibutyl phtalate, Triacetin, Dibutyl sebacate etc.

COLORCOAT[®] Ready-to-use coating material

Colorcoat is one step, pre-blended ready to use coating system. Colorcoat range is available in clear, white and full color range offering all benefits to Pharmaceutical, Nutraceutical and Ayurvedic solid dosage forms. Corel Pharma Chem is capable to provide tailor-made materials as well as to provide color shades as per customer requirements.

Film Coating:

Grade	Reconstitution level (%)*	Weight gain (%)*	Application
Colorcoat FC4W	15.0 to 20.0	1.8 to 2.2	Azithromycin, Amlodipine, Amoxicillin, Ciprofloxacin, Cimetidine, Calcium, Cetirizine, Diltiazem, Erythromycin, Famotidine, Fexofenadine, Ibuprofen, Losartan, Norfloxacin, Ofloxacin, Roxithromycin, Sildenafil citrate, Tinidazole etc.
Colorcoat Rapid	25.0 to 30.0	1.8 to 2.2	
Colorcoat FC4S	7.0 to 10.0	1.8 to 2.2	
Colorcoat Glide	15.0 to 20.0	1.8 to 2.2	

Enteric Coating:

Grade	Reconstitution level (%)*	Weight gain (%)*	Application
Colorcoat EC4W	15.0 to 20.0	6.8 to 7.2	Esomeprazole, Sodium valproate, Diclofenac sodium, Aspirin, Pantoprazole, Rabeprazole, Omeprazole etc.
Colorcoat EC4S	8.0 to 10.0	6.8 to 7.2	

Moisture Barrier Coating:

Grade	Reconstitution level (%)*	Weight gain (%)*	Application
Colorcoat MB4W	15.0 to 20.0	3.0 to 3.5	Ranitidine, Atorvastatin, Vitamins, Ayurvedic tablets etc.
Colorcoat MB4S	7.0 to 10.0	3.0 to 3.5	

Titanium Free Coating:

Grade	Reconstitution level (%)*	Weight gain (%)*	Application
Colorcoat TFC	12.0 to 15.0 [#] 8.0 to 10.0 ^{##}	1.8 to 2.2	Vitamin, Calcium and vitamin tablets, Nutraceutical tablets etc.

Seal Coating:

Grade	Reconstitution level (%)*	Weight gain (%)*	Application
Colorcoat SC4W	15.0 to 20.0	2.0 to 2.5	Esomeprazole, Sodium valproate, Diclofenac sodium, Pantoprazole, Rabeprazole, Omeprazole tablets etc.
Colorcoat SC4S	7.0 to 10.0	2.0 to 2.5	

Transparent Coating:

Grade	Reconstitution level (%)*	Weight gain (%)*	Application
Colorcoat MB4S(Clear)	6.0 to 8.0	2.0 to 2.5	Vitamins, Ayurvedic, Herbal, Traditional Chinese & Unani medicine tablets etc.
Colorcoat MB4W(Clear)	15.0 to 18.0	2.0 to 2.5	
Colorcoat FC4WS(Clear)	8.0 to 10.0 [#] 6.0 to 8.0 ^{##}	1.5 to 2.0	

Flavour Coating:

Grade	Reconstitution level (%)*	Weight gain (%)*	Application
Colorcoat FL4W	15.0 to 20.0	3.0 to 3.5	Vitamins, Ayurvedic, Herbal, Traditional Chinese & Unani medicine tablets etc.
Colorcoat FL4S	7.0 to 10.0	3.0 to 3.5	

Fast Sugar Coating:

Grade	Reconstitution level (%)*	Weight gain (%)*	Application
Colorcoat FSC	30.0 to 35.0	25.0 to 50.0	Multivitamins, Ibuprofen, Ferrous tablets etc.

Sweet Coating:

Grade	Reconstitution level (%)*	Weight gain (%)*	Application
Colorcoat SW4W	15.0 to 20.0	3.0 to 3.5	Vitamins, Ayurvedic, Herbal, Traditional Chinese & Unani medicine tablets etc.
Colorcoat SW4S	7.0 to 10.0	3.0 to 3.5	

Pearlescent Coating:

Grade	Reconstitution level (%)*	Weight gain (%)*	Application
Colorcoat Pearl	8.0 to 10.0 [#] 5.0 to 8.0 ^{##}	0.3 to 0.5	OTC products, Herbals, Nutraceuticals etc.

Gloss Coating:

Grade	Reconstitution level (%)*	Weight gain (%)*	Application
Colorcoat Gloss	6.0 to 8.0 [#]	0.3 to 0.5	Applicable for film coated products for asthetic value
Colorcoat Glow (liquid)	4 to 5 times ^{**}	0.3 to 0.5	

*Depends on coating facilities at customer's premises, tablet size and product to be coated.

** Dilution level #Aqueous system ##Organic/Hydro alcoholic system

FC4W → Aqueous
EC4S → Solvent
→ Film coating → Enteric coating

KYRON® Cross-linked Polymer

Kyron range is derived from cross linked polyacrylic polymer used in pharmaceutical industry for taste masking of bitter drug and for stabilization of drug. It is available in powder form, which is swellable in water. Taste masked complex of bitter drug can be used for following formulations:

- Suspensions - Immediate and Extended release
- Dry syrup
- Mouth dissolving tablet/Dispersible tablet/Chewable tablet

Traditional Grades:

Kyron	T-104	T-114	T-134	T-154	T-155	T-159	T-123
Pharmacopoeia	In house	In house	Polacrillin potassium USP/NF	Sodium polystyrene sulfonate USP	Calcium polystyrene sulphonate BP	In house	In house
Type	Weak acid	Weak acid	Weak acid	Strong acid	Strong acid	Strong acid	Weak base
Functionality	-COO	-COO	-COO	-SO ₃	-SO ₃	-SO ₃	Secondary amine
Ionic form	Hydrogen	Hydrogen	Potassium	Sodium	Calcium	Hydrogen	Free base
Matrix	Polyacrylic copolymer	Polyacrylic copolymer	Polyacrylic copolymer	Polystyrene copolymer	Polystyrene copolymer	Polystyrene copolymer	Polystyrene copolymer
Loss on drying (%)	<10	<5	<10	<10	<8	<10	<10
Appearance	White to off white free flowing powder	White to off white free flowing powder	White to off white free flowing powder	Golden brown free flowing powder	Cream to light brown fine powder	Golden yellow free flowing powder	White to off white free flowing powder
Drug to be masked	Cefixime Trihydrate, Lornoxicam, Solifenacin Succinate, Dimenhydrinate, Fludoxacillin etc.	Ofloxacin, Dextromethorphan Hbr, Dicyclomine HCl, Domperidone, Carbonyl Iron, etc.	Ambroxol HCl, Amodiaquine HCl, Artemether, Lumefantrine, Sparfloxacin etc.	Erythromycin Ethyl Succinate, Aceclofenac, Ranitidine HCl, Hyperkalemia (as an active) etc.	Hyperkalemia (as an active)	Erythromycin Stearate etc.	Didoxacillin Sodium etc.

Drug Specific Grades:

Drug specific grades are designed for the taste masking of specific drugs for excellent taste masking and stability. As pH adjustment step is critical and time consuming, whereas pH adjustment is not required with drug specific Kyron grades. Thus, they are cost-effective and time saving.

Kyron	T- 114A	T-114C	T-104N (Polacrilix)
Pharmacopoeia	In house	In house	In house
Drug to be masked	Chloroquine phosphate, Quinine sulphate	Cefuroxime axetil, Cefpodoxime proxetil	Nicotine Polacrilix USP, Stabilization Vitamin B12

Kyron	T-134(DR)	T-135(AZ)	T-135(RX)	T-135(CP)
Pharmacopoeia	In house	In house	In house	In house
Drug to be masked	Zinc sulphate, Ferrous sulphate, Sildenafil citrate	Azithromycin dihydrate	Roxithromycin	Ciprofloxacin HCl

Ready to use grades:

Ready to use grades are drug specific taste masking system enables formulator a single step process. It contains taste masking polymer (i.e. Kyron), sweetener, suspending agent, preservatives, color, flavor and other desire excipients. It is available in various flavors like Banana, Pineapple, Cherry, Strawberry, Peppermint flavor etc. and also as per customer's requirement.

Kyron	T-111N	T-112N	T-112BN	T-113	T-115
Pharmacopoeia	In house	In house	In house	In house	In house
Drug to be masked	Ciprofloxacin HCl	Azithromycin dihydrate	Azithromycin dihydrate	Ibuprofen	Famotidine HCl
Dose	250mg/5ml	100mg/5ml	200mg/5ml	100mg/5ml	40mg/5ml

Note: Ready to use grades can not be used for tablet formulation. Tablet grades are available upon request.

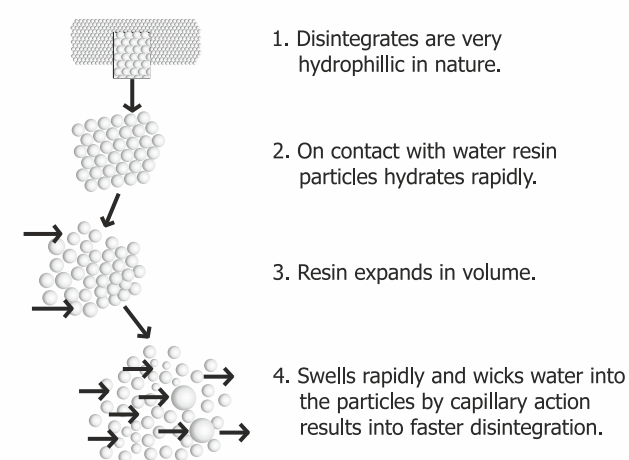
KYRON T-314® Polacrillin Potassium

Kyron T-314 is derived from crosslinked polymer of polycarboxylic acids and has a K⁺ ionic form. It complies to USP/NF and is FSSAI approved. 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 suitable for the both wet granulation as well as direct compression system for tablet formulations.

Kyron T-316 is a new innovative superfast disintegrant specially design for acidic drugs which enhances disintegration and dissolution of formulations.

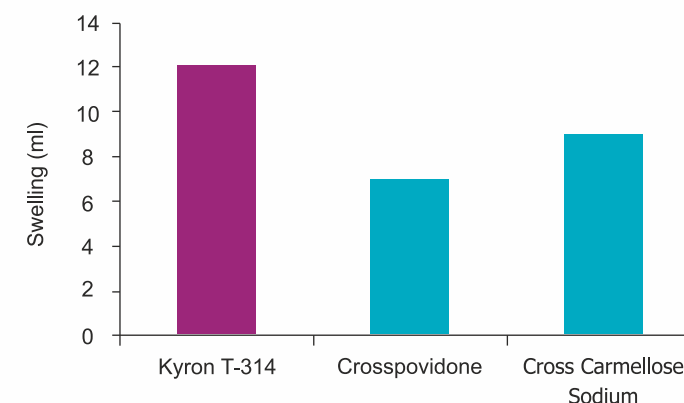
Mechanism of Disintegration:

The theory of disintegration of a tablet by Kyron T-314 / 316.



Swelling Index Comparison:

Kyron T-314 has higher swelling index compared to Crosspovidone and Cross Carmellose Sodium. Hence Kyron T-314 gives faster disintegration.



Application:

- **As Disintegrating agent:** Kyron T-314 and Kyron T-316 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. It can be used during mixing and/or at lubrication stage.

Examples: Immediate release tablets, Herbal tablets, Mouth dissolving tablets etc.

- **As Dissolution Improver:** Kyron T-314 and Kyron T-316 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 10% for dissolution improvement.

Examples for KyronT-314: Cefuroxime Axetil, Cefpodoxime Proxetil, Atorvastatin Calcium, Telmisartan, Glimepiride, Gliclazide, Ondansetron etc.

Examples for KyronT-316: Ciprofloxacin HCl, Levofloxacin HCl, Fexofenadine HCl etc.

NUTRACOAT® Natural Coating Polymer

Nutracoat series is aqueous coating system of ethylcellulose polymer. The dispersion is combination of film-forming polymer, plasticizer and stabilizers designed specifically for modified release, taste masking and enteric coating applications. This technology provides reliable and reproducible release profiles giving consistency from the laboratory to pilot and production scale processes.

Products	Monograph	Application
Nutracoat EC25D-A	In house	• Used primarily for developing extended release dosage forms like tablets, capsules and pellets.
Nutracoat EC25D-C	USP/NF: Ethyl cellulose dispersion Type B	• Used as a binder in wet granulation applications for production of free flowing granules, which can subsequently be compressed into tablets to achieve an extended drug release profile.
Nutracoat EC25D-E	In house	• Ethylcellulose (water insoluble polymer) which provides highly effective taste masking. • Suitable for aqueous enteric coating system for dietary supplement, nutritional and herbal products.

Note: Meets regulatory requirements for dietary supplement, nutritional and herbal products in North America and Europe. Composed ingredients are as approved food additives or have self-affirmed GRAS status.

ACRYPOL® Carbomer/Acrylates Copolymer

Acrypol, a functional ingredients serves to be used in oral solid and liquid dosage forms, topical formulations, bioadhesive formulations and bulk laxatives. The polymers provide the following functionality in pharmaceutical applications:

Controlled Release:

Acrypol polymers are highly efficient gel matrix formers for controlling drug release in solid dosage forms. The polymers have demonstrated slower drug release rates at lower concentrations than other commercially available excipients, enabling overall formulation cost savings and smaller tablet sizes.

Grades	Pharmacopoeial Monographs	(%) solution	Viscosity# (cps) (at pH 7.3-7.8)
Acrypol 934P	USP/NF : Carbomer 934P	0.5	29,400 - 39,400
Acrypol 974P*	USP/NF : Carbomer Homopolymer Type B, EP : Carbomers	0.5	25,000 - 45,000
Acrypol 971P*	USP/NF : Carbomer Homopolymer Type A, EP : Carbomers	0.5	4,000 - 11,000
Acrypol 971G*	USP/NF : Carbomer Homopolymer Type A, EP : Carbomers	0.5	4,000 - 8,000
Acrypol 912G*	In house	-	-

Rheology Modifiers:

Acrypol polymers are used at very low concentrations (less than 1%) to produce a wide range of viscosities and flow properties in lotions, creams, gels, oral suspensions and in transdermal gel reservoirs.

Grades	Pharmacopoeial Monographs	(%) solution	Viscosity# (cps) (at pH 7.3-7.8)
Acrypol 940	USP/NF : Carbomer 940	0.5	40,000 - 60,000
Acrypol 980*	USP/NF : Carbomer Homopolymer Type C, EP : Carbomers	0.5	40,000 - 60,000
Acrypol 934	USP/NF : Carbomer 934	0.5	30,500 - 39,400
Acrypol 934P	USP/NF : Carbomer 934P	0.5	29,400 - 39,400
Acrypol 974P*	USP/NF : Carbomer Homopolymer Type B, EP : Carbomers	0.5	25,000 - 45,000
Acrypol 941	USP/NF : Carbomer 941	0.5	4,000 - 11,000
Acrypol 971*	USP/NF : Carbomer Homopolymer Type A, EP : Carbomers	0.5	4,000 - 11,000

Oral Care:

Acrypol polymers can be used in oral care applications such as toothpastes and ulcer gels, desensitizing and whitening products. These polymers primarily function as efficient thickeners and co-binders at low usage level. The viscoelastic structure of Acrypol polymers imparts shear-thinning rheology and low thixotropy, which enables a clean ribbon of toothpaste to be extruded from the tube.

Grades	Pharmacopoeial Monographs	(%) solution	Viscosity# (cps) (at pH 7.3-7.8)
Acrypol 980*	USP/NF : Carbomer Homopolymer Type C, EP : Carbomers	0.5	40,000 - 60,000
Acrypol 934P	USP/NF : Carbomer 934P	0.5	29,400 - 39,400
Acrypol 974P*	USP/NF : Carbomer Homopolymer Type B, EP : Carbomers	0.5	25,000 - 45,000
Acrypol 971P*	USP/NF : Carbomer Homopolymer Type A, EP : Carbomers	0.5	4,000 - 11,000
Acrypol 956	In house	0.5	20,000 - 41,000

Emulsifiers:

These polymeric emulsifiers have high oil loading capacity and thickening property in oil-in-water topical formulations.

Grades	Pharmacopoeial Monographs	(%) solution	Viscosity# (cps) (at pH 7.3-7.8)
Acrypol TR-1*	USP/NF : Carbomer Copolymer Type B, EP : Carbomers	1.0	10,000 - 26,500
Acrypol TR-2*	USP/NF : Carbomer Copolymer Type A, EP : Carbomers	1.0	4,500 - 13,500

Suspending Agent:

Suspension of insoluble ingredients in oral and topical liquids/semisolids.

Grades	Pharmacopoeial Monographs	(%) solution	Viscosity# (cps) (at pH 7.3-7.8)
Acrypol ELT-31*	In house	1.0	2,500 - 6,000

*Benzene free grades

#Viscosity of neutralized solutions is to be measured at 25°C and 20 rpm

ACRYSOL® Castor Oil Derivatives

Acrysol grades are chemically castor oil derivatives. They are non-ionic solubilizers and emulsifying agents obtained by reacting hydrogenated castor oil with ethylene oxide. They consist hydrophobic and hydrophilic part. They are almost tasteless and odorless. They are used as solubilizer for fat-soluble vitamins, perfumes, essential oils and other hydrophobic pharmaceuticals. They have ability to solubilize or emulsify oil soluble ingredients and convert them into clear transparent solution or stable emulsion respectively. It improves the solubility of poorly soluble drugs (BCS class II and class IV).

Characteristics:

Characteristics	Acrysol K-140	Acrysol K-150	Acrysol K-160	Acrysol EL-135
Pharmacopoeial Monograph	USP/NF : Polyoxyl 40 Hydrogenated Castor Oil Ph.Eur.: Macrogolglycerol hydroxystearate	PG, PEG-40 Hydrogenated Castor Oil (In house)	PEG-60 Hydrogenated Castor Oil (In house)	USP/NF : Polyoxyl 35 Castor Oil Ph.Eur.: Macrogolglycerol Ricinoleate
Description	White to pale yellow Viscous liquid or soft thin paste	White to pale yellow liquid	White to off white paste	Yellow oily liquid
Odor	Odorless	Odorless	Odorless	Odorless
Taste	Tasteless	Tasteless	Tasteless	Tasteless
Miscibility	At elevated temperatures, it forms clear mixtures with fatty acids and fatty alcohols.			
Effect of temperature	Acrysol grades are stable and does not turn rancid unless subjected to excessive heat.			
HLB value	14-16	14-17	15-17	12-14
Congeeing temperature	16-26°C	5-15°C	-	-
Hydroxyl value	57-80	65-75	50-70	65-80

Applications:

Solubilizer: Acrysol range improves water solubility of major water insoluble products. It is compatible with most of all actives.

Dissolution Improver: It is generally used between 3.0% to 5.0% w/w to improve dissolution of poorly soluble actives.

Emulsifier: Acrysol range is excellent versatile nonionic emulsifying agent. It is suitable to obtain O/W cream and lotions.

Moisturizer: Acrysol range improves moisturizing effect and soft feeling.

Transparency Improver: It solubilizes insoluble oily substances in aqueous system and hence it improves transparency and shining.

Volatility Retardant: Acrysol range has capability to retard volatilities of solvents.

Film Former: Acrysol is preferred in cream, lotion, lipstick etc. to improve film forming capacity.

Masking Agent: Acrysol masks unpleasant taste and odor of typical formulations.

Adhesion Reducer: Acrysol reduces adhesion and chipping properties of oils.

Aerosol Formulations: Acrysol improves solubility of the propellant in aerosol in aqueous phase.

ACRYFLOW® Hydrogenated Castor Oil

As lipophilic lubricant Acryflow is used as emulsifier for oil-in-water emulsions and as a pH independent sustained release agent. It acts as a plasticizer with included consistency factor in solid dispersions. It hardens suppository formulations and adjusts their melting points.

Products	Monograph	Application
Acryflow S	USP/NF: Hydrogenated Castor Oil EP: Castor Oil, Hydrogenated	Lubricant: For tablets and capsules. Sustained Release: Suitable to design sustained release formulation for water soluble API's. Emulsifier: Excellent versatile nonionic emulsifying agent. It is suitable to obtain O/W creams and lotions.