



Kadcoat

Pharma Coating Polymer

KADCOAT range are film former transparent or coloured film former coating polymer on base of methacrylic acid co-polymer type A, B & C conforms to U.S.P /NF & E.P. Specification. Applications of KADCOAT includes film coating, Enteric coating, Moisture barrier coating, Functional coating, Sustained release coating, taste masking, Binder for tablet / granules Transdermal therapeutic system.



KADCOAT L100

White, free flowing powder

KADCOAT L100 is an anionic co-polymer conforms to USP /NF & EP specifications of "METHACRYLIC ACID CO-POLYMER TYPE-A". KADCOAT L100 film is insoluble in gastric fluids and natural juices but freely soluble in intestinal track at pH 6.0 and above by formation of soluble salts of electrolytes present in GI Tract, KADCOAT L100 film is transparent, colorless and brittle. Colored film can be formed by use of suitable pigments and improve elasticity by adding plasticizer.

KADCOAT L30D

White, milky liquid

KADCOAT L30D is 30% aqueous dispersion of an anionic acrylic co-polymer conforms to USP/NF & EP specifications of "METHACRYLIC ACID CO-POLYMER TYPE-C". KADCOAT L30D film is insoluble in gastric fluid and soluble in intestinal tract at pH 5.5 and above by formation of salt with alkalis. KADCOAT L30D film is colorless, transparent and brittle in nature. To improve elasticity plasticizer can be added as required. This is an aqueous enteric coating system.

KADCOAT L100D

White, free flowing powder

KADCOAT L100D is used in hydro alcoholic and aqueous based coating systems. It is an anionic acrylic co-polymer conforms to USP /NF & EP specifications of "METHACRYLIC ACID CO-POLYMER TYPE-C". The film of Kadcoat L100D is insoluble in gastric fluid and soluble in intestinal track at pH 5.5 and above by formation of salt with alkalis. KADCOAT L100D film is transparent, colorless and brittle. Colored film can be formed by use of suitable pigments.

KADCOAT E30D

White, milky liquid

KADCOAT E30D is 30% aqueous dispersion of neutral co-polymer conforms to EP specifications of "POLYACRYLATE DISPERSION 30 PERCENT" KADCOAT E30D is pH independent. The formed film swell in water, buffer or gastric fluids facilitating permeability in these fluids. KADCOAT E30 film is self-elastic so plasticizer is not required. KADCOAT E30 film is colorless, transparent, elastic and do not break easily due to physical attrition.

KADCOAT S100

KADCOAT S100 is recommended for developing sustained release (delay release) effect by matrix method (or dry granulation). KADCOAT S100 is an anionic acrylic co-polymer conforms to USP /NF & EP specifications of "METHACRYLIC ACID CO-POLYMER TYPE-B". KADCOAT S100 FILM IS insoluble in gastric fluid and natural juices but it is freely soluble in intestinal tract at pH 7.0 and above by formation of salt with alkalis. KADCOAT S100 film is transparent, colorless and brittle. therapy systems.

KADCOAT E100-40

Light Yellow liquid

KADCOAT E100-40 is 40% solution of a polymer conforms to EP specifications of "BASIC BUTYLATED METHACRYLATE CO-POLYMER" KADCOAT E100-40 offers film that is insoluble in neutral pH while soluble in acidic pH of the stomach. KADCOAT E100-40 is suitable for manufacturing protective and insulating coatings which dissolves in gastric fluids and functional layer for transdermal therapy systems.

KADCOAT Range of products

KADCOAT Grades	Physical form	Polymer Content	Properties	Application	Pharmacopea monograph
KADCOAT-L 100	Powder	95%	Soluble from pH 6.0	Enteric Coating (Solvent Base)	"Methacrylic Acid Copolymer, Type A" USP/NF
KADCOAT-S 100	Powder	95%	Soluble from pH 7.0	Enteric Coating (Solvent Base) Sustained Release	"Methacrylic Acid Copolymer, Type B" USP/NF
KADCOAT-L 100 55	Powder	95%	Soluble from pH 5.5	Enteric Coating (Aqueous Base)	"Methacrylic Acid Copolymer, Type C" USP/NF
KADCOAT-L 30 D	Aqueous Dispersion	30%	Soluble from pH 5.5	Enteric Coating (Aqueous Base)	"Methacrylic Acid Copolymer Dispersion" USP/NF
KADCOAT-NE 30 D	Aqueous Dispersion	30%	pH- Independent easily permeable	Sustained Release (Aqueous Base)	"Aqueous Acrylic Polymer Dispersion" BP
KADCOAT-L 30 D	Aqueous Dispersion	30%	Soluble from pH 5.5	Enteric Coating (Aqueous Base)	"Methacrylic Acid Copolymer Dispersion" USP/NF
KADCOAT-L 12.5	Organic Soln. in Isopropyl Alcohol	12.50%	Soluble from pH 6.0	Enteric Coating (Solvent Base)	"Methacrylic Acid Copolymer Type A" USP/NF

Advantages :

- Option of solvent or semi aqueous & aqueous medium.
- Less quantity required, reducing volume of solution, so shortening production time.
- Stability over a broad temperature range.
- Exhibits excellent colour value and self shine shade.
- Marginal weight gain.

Toxicity :

- Kadcoat are high molecular weight polymer. It is not absorbed by body tissues and is totally safe for human oral consumption. Test for toxicological tolerance show that it does have any pronounced physiological action and is non-toxic.

Storage :

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

Shelf Life :

Minimum 5 years form manufacturing date for Powder Form

Minimum 2 years form manufacturing date for liquid Form

Packing :

3 kgs, 20 kgs, net in corrugated box. Powder Form
5 kgs,20kgs net in plastic carboys. Liquid Form.



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