



An Impression of Tablets

Coating Process Simplified





Vision

Care Pharma Chem shall strive to be the leader in segments it's present by focusing on R&D so as to offer cost effective, environment friendly and internationally accepted film coating system.



Mission

Our mission at Care Pharma Chem is to become the leader in manufacture of film coating systems for the Pharmaceuticals, Neutraceuticals and Ayurvedic industries, by providing innovation, continuous research-improvement, high quality products and exceptional services with positive attitude and focused approach.



Quality Policy

We delight customers with world class products as per international standard or specially as per customer specification at competitive price.



Company

Care Pharma Chem, one of the fastest growing companies engaged in the business of research, manufacturing and marketing of COTAB ready-mix film coating system for the pharmaceuticals, neutraceuticals, veterinary, herbal & ayurvedic Industry. We are committed to on time supply and consistent quality.

We, manufacture ready to use film coating material for solid oral dosage forms for Normal Film Coating, Functional Coating & speciality Products.

We have our state of the art manufacturing facility & ultra modern application laboratories at Vadsar, Dist.Gandhinagar, Gujarat which is One of the most important industrial center in the western part of India. The specialized machineries and instruments at our production facilities & Q.C. adhere to latest technology & cGMP Standard.

We believes that people make all difference to products and processes, for our people represent the intellectual capital we possess. We have been successful in attracting, retaining, training and empowering the best of talent. A highly qualified and motivated team of professionals looks after different aspects of the company. An equal opportunity employer, we have created an atmosphere that encourages merit and values knowledge, hard work and commitment.

Our customers can be assured that the raw material chosen for use in our formulations are specified to meet or exceed current domestic and/or international regulatory standards.

We provide technical assistance to our customers for new product development as well as after sales standardization of the film coating process & trouble shooting at the customers site as well as at our application laboratory.



Pharmaceuticals

Nutraceuticals

Ayurvedic

COTAB COMPLETE COATING SYSTEM

COTAB RANGE OF PRODUCT

Film Coating:

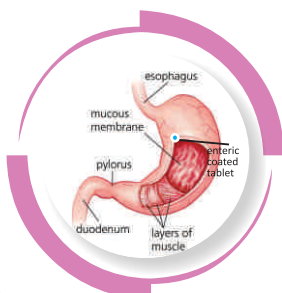
Product	Polymer Base	Reconstitution Level	Weight Gain %
Cotab AFC H	HPMC	20.0% (Aqueous)	2.0 to 2.5%
Cotab AFC P	PVA	20.0% (Aqueous)	2.0 to 2.5%
Cotab AFC P+	PVA + Lecithin	15 – 20% (Aqueous)	2.0 to 2.5%
Cotab AFC H L	HPMC + Lactose	15- 20% (Aqueous)	2.0 to 2.5%
Cotab AFC HD	HPMC + Polydextrose	15 – 20% (Aqueous)	2.0 to 2.5%
Cotab AFC HH	HPMC + HPC	15 -20% (Aqueous)	2.0 to 2.5%
Cotab AFC HP	HPMC + PVA	15 – 20% (Aqueous)	2.0 to 2.5%
Cotab NFC	HPMC	5.0% in organic solvent IPA-40% and MDC 60%	2.0 to 2.5%
Cotab RFC	HPMC	9.0(Aqueous) and 5% in organic solvent	2.0 to 2.5%

Moisture Barrier Coating:

Product	Polymer Base	Reconstitution Level	Weight Gain %
Cotab MFC	HPMC + Ethyl Cellulose	5.0% in organic solvent IPA-40% and MDC 60%	2.5 to 3.5%
Cotab AFC P+	PVA + Lecithin	15 – 20% (Aqueous)	2.5 to 3.0%

Enteric Coating:

Product	Polymer Base	Reconstitution Level	Weight Gain %
Cotab EN	Methacrylic Acid co-polymer Type A	8.0 to 9.0% in organic solvent IPA-80% and MDC 20% or 97.0% IPA + 3.0% Water or 70.0% IPA + 30.0% Acetone	7.0 to 8.0%
Cotab E AQ	Methacrylic Acid co-polymer Type C	15 – 20.0% (Aqueous)	8.0 to 10.0%
Cotab EN-S	Methacrylic Acid co-polymer Type B	8.0 to 9.0% in organic solvent IPA-80% and MDC 20% or	7.0 to 8.0%



Pharmaceuticals

Nutraceuticals

Ayurvedic

COTAB COMPLETE COATING SYSTEM

COTAB RANGE OF PRODUCT

Transparent Coating

Product	Polymer Base	Reconstitution Level	Weight Gain %
Cotab RFC Aqua	HPMC	8 - 10.0% in organic solvent IPA-60% and Water 40%	1.8 to 2.5%
Cotab AFC (Clear)	HPMC	15 – 20.0% (Aqueous)	2.0 to 2.5%
Cotab AFC P (Clear)	PVA	15 - 20.0% (Aqueous)	

Specialty Coating:

Product	Application	Polymer Base	Weight Gain %
Cotab SW	Sweet coating	HPMC + Sucrallose	2.0 to 2.5%
Cotab FL	Flavored coating	HPMC + spray dried flavour	2.5 to 3.0%
Cotab GS	Glossy shine or polishing of tablet	Waxy	0.3 to 1.0%
Cotab SP	Pearlescent coating	HPMC + candurin pigment	2.0 to 2.5%
Cotab SP+	Pearlescent coating for pearly effect	Candurin Pigment	0.3 to 0.5%

Cotab SR

Product	Description	Application
Cotab SR	Ready to use powder blend for specific drug substance	Cotab SR blends available for Metformin HCl, Diclofenac sodium, Theophylline, Aceclofenac, Carbamazepine,and some more



Cotab Advantges



- Customized & Collaborative formulation development.
- Easy to prepare coating solution without any further grinding. Can be processed on any available equipment.
- Precise colour matching of existing coating system and assurance of batch to batch colour consistency.
- High solid content can be sprayed maximum covering efficiency therefore shorter coating time increase productivity.
- Cotab pre-blended ready to use dry clear or colored coating that optimize performance and efficiency.
- Smooth, uniform, glossy shine and even- thin film layer.
- High flexibility of the polymers allows engraved tablets to be coated high quality results. Film peel off in aqueous system.
- No clogging or chocking of spray gun.
- The polymer film should be improving mechanical stability but it not delay the dissolution time of the dosages form.



Colour Match Source Can Include Without Limit:

- Existing formulation
- Previously coated tablets
- Pantone (U) Numbers
- PDR or On-line references



Support in your Every Step of process:

- Colour matching of existing coating system
- Pilot scale coating trials
- Complete tablet functionality testing capabilities
- Custom collaborative coating development capabilities
- Capabilities to match or exceed performance of current coating system.

Coating Suspension Preparation



Cotab Coating systems are very easy to prepare. Add the cotab powder in solvent /water as described below and mix for 45 minutes with propeller stirrer.

- Equipment:**
1. S.S.Vessel with a capacity of 25% more than the total suspension being prepared. The height of the vessel should be around 1.25times than its diameter.
 2. A variable speed propeller stirrer with blade diameter of nearly 1/3 of the diameter of ss vessel described above.

Procedure for Mixing:

1. Aqueous system:

- Weigh the required quantity of cotab.
- Take required quantity of water in vessel.
- Stir with propeller stirrer to form vortex. Add qty of cotab in vortex, stir for 5 min.
- Reduce the speed of stirrer and continue for 40 minutes.
- Pass solution through 150micron opening sieve & use for coating.

2. Solvent/ Non Aqueous system:

- Weigh the required quantity of cotab.
- Take required quantity of IPA in vessel.
- Stir with propeller stirrer to form vortex. Add qty of cotab in vortex, stir for 5 min.
- Add quantity of Methylene Dichloride and stir continue for 40 minutes.
- Pass solution through 150micron opening sieve & use for coating.

Precautions:

- The usages of high speed stirrer or homogenizer is not recommended.
- The suspension should not be passed through colloidal mill for cotab E Aq.
- The suspension may need gentle stirring during the coating operation to maintain its homogeneous property during spray.
- The suspension thus prepared should be used within 24 hours to avoid any microbial contamination.

Aqueous Solution	Organic Solvent
20% (Aqueous) Cotab -- 1.00 kg P. Water --- 4.00 kg	5% Organic solvent Cotab ---- 1.00 kg IPA ----- 7.600 kg MDC ---- 11.400 kg
8 - 9.0% (Aqueous) Cotab --- 1.00 kg P. Water - 10.00 kg	8 - 9.0% Organic Cotab ---- 1.00 kg IPA ----- 10.00 kg MDC --- 2.00 kg



CARE PHARMA CHEM

FILM COATING • ENTERIC COATING • MOISTURE BARRIER COATING

Factory : Survey No.552/1, Nr. Biotech Vision Care, B/h. Kaypee Polymer,
Vadsar-Khatraj Cross Road, Vadsar, Ta. Kalol, Dist. Gandhinagar-382721.

M : 98252 12693, Ph : 02764-281268, 281269

Email : carepharmachem@yahoo.com / response@carepharmachem.com

Website : www.carepharmachem.com