Dhara®
Lifescience Pvt. Ltd.

Innovation... Quality... Commitment...

Accreditation...

Registered Manufacturing Facility
DMF Available

ISO 9001 SGS

GMP

EXCiPACT®

Halal

CERTIFIED KOSHER CERTIFIED

Ion-exchange Resin

ionex®
Bitter taste protection chemistry

Taste Masking

Super Disintegrant

Methacrylic Acid Copolymer

Color Ready mix

Dharacoat®
Methacrylic Acid Copolymer

Readycoat®
Film Coating Ready Mix

Enteric Coating | Film Coating | Moisture Barrier | Sustained-Release

Chairman's Message

Our commitment is to never compromise on the quality & services. We monitor the highest level quality with our dedication, passion and determination to retain trust that customers have in us. We make sure that our customers get the best quality products for various customised applications.

B. K. Patel
Chairman

About us...

Dhara Lifescience Private Limited, established in 2007. The world's most preferred pharma excipients like Methacrylic acid copolymers, Color ready-mix coating materials & Ion-exchange resins are manufactured by us with utmost dedication at our state-of-the-art manufacturing facilities in India. **Dharacoat®** | **Readycoat®** | **Ionex®** are the trusted brand names in these segments.

We work in a 'family-friendly work culture' but with professional approach so that each individual can put the best efforts to accomplish responsibilities and goal which leads to the maximum customer satisfaction.

We have two 'state-of-the-art' manufacturing facilities.

Unit-I:Pharma Color Readymix
Powder product batch size up to 1,000 Kg

Unit-II:Pharma Polymers
Liquid product batch size up to 11,000 Kg

About us...

'Grab the faster coating technology advantage' is not just a tag line in pharmaceutical coating segment but a genuine serious approach. Due to our innovation, process development, quality polymers, GMP manufacturing facilities, dedicated and well experienced R & D teams, committed QA/QC departments, excellent back office support and a strong techno-marketing field force; a complete team work in real means, is the key of success and the backbone of our organization. Our corporate office is situated at Science City Road, in Ahmedabad, Gujarat (INDIA).

Our R & D team efforts have made process much easier, simpler and hassle free. We have our established brands with various grades. We offer the highest level quality products, which are manufactured at our 'state-of-the art' facilities.

We have our branch office in Bangladesh (Dhaka). We offer techno-marketing support towards enhancing customer services. We have strong presence across the globe, which helps us to provide the best in class services.

New Product Development Centre

Polymer R & D

- Testing Laboratory
- Pilot Batch Equipments
- Reactor
- Mixer
- Boiler
- Blender
- Shifter
- Dryer
- Oven

Readymix R & D

- Testing Laboratory
- Manual Coating Machine
- Auto Coater
- Colour matching machine
- Film Applicator
- Particle size analyzer
- Micronizer
- UV Spectrophotometer

Formulation R & D

- Rapid Mixer Granulator
- Fluid Bed Dryer
- Fluid Bed Processor
- Compression Machine
- Auto Coater
- Blender
- Shifter

Enteric Formulations

L 30D-55	USP/NF : Methacrylic Acid and Ethyl Acrylate Copolymer Dispersion Ph. Eur. : Methacrylic Acid-Ethyl Acrylate Copolymer (1:1) Dispersion 30%
L 100-55	USP/NF : Methacrylic Acid and Ethyl Acrylate Copolymer Ph. Eur. : Methacrylic Acid-Ethyl Acrylate Copolymer (1:1) Type A
MAE 100P	USP/NF : Partially-Neutralized Methacrylic Acid and Ethyl Acrylate Copolymer (1:1) Ph. Eur. : Methacrylic Acid-Ethyl Acrylate Copolymer (1:1) Type B
L 100	USP/NF : Methacrylic Acid and Methyl Methacrylate Copolymer (1:1) Ph. Eur. : Methacrylic Acid-Methyl Methacrylate Copolymer (1:1)
L 12.5	
S 100	USP/NF : Methacrylic Acid and Methyl Methacrylate Copolymer (1:2) Ph. Eur. : Methacrylic Acid-Methyl Methacrylate Copolymer (1:2)
S 12.5	
FS 30D	USP/NF : Methyl Acrylate, Methyl Methacrylate and Methacrylic Acid (7:3:1) Copolymer 280000 Dispersion

Protective Formulations

E 100	USP/NF :Amino Methacrylate Copolymer Ph. Eur. :Basic Butylated Methacrylate Copolymer
EPO	
E 12.5	

Sustained-Release Formulations

RL 100	USP/NF : Ammonio Methacrylate Copolymer, Type A Ph. Eur. : Ammonio Methacrylate Copolymer, Type A
RL PO	
RL 12.5	
RS 100	USP/NF : Ammonio Methacrylate Copolymer, Type B Ph. Eur. : Ammonio Methacrylate Copolymer, Type B
RS PO	
RS 12.5	

Dharacoat®

Pharma Polymers

Products	Physical form	Dissolution

Enteric Formulations

L 30D-55	30% Aqueous Dispersion	Above pH 5.5
L 100-55	Powder	
MAE 100P	Powder	
L 100	Powder	Above pH 6.0
L 12.5	12.5% Organic Solution	
S 100	Powder	Above pH 7.0
S 12.5	12.5% Organic Solution	
FS 30D	30% Aqueous Dispersion	Above pH 7.0

Protective Formulations

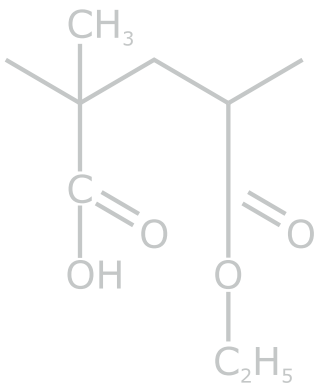
E 100	Granules	Soluble in gastric fluid up to pH 5.0 Swellable and permeable above pH 5.5
EPO	Powder	
E 12.5	12.5% Organic Solution	

Sustained-Release Formulations

RL 100	Granules	pH independent
RL PO	Powder	
RL 12.5	12.5% Organic Solution	
RS 100	Granules	pH independent
RS PO	Powder	
RS 12.5	12.5% Organic Solution	

Applications

- Film Former
- Target Drug Delivery
- Taste masking
- Moisture Protection
- Dissolution Improvement



Dhara® Lifescience Pvt. Ltd.

Readycoat®

Color Ready Mix

Film Coating

Readycoat® UNIVERSAL

Readycoat universal can be used as film coating readymix to improve product aesthetics and patient compliance. It is available in different compositions and combination of materials, in which, the film former options are Hypromellose, Hyprolose, etc.

Readycoat Universal can be used with aqueous, non-aqueous and hydro-alcoholic solvents.

The typical application ranges between 2 to 2.5 %* weight gain.

Readycoat® HS

Readycoat HS is unique coating readymix with an advantage of High speed, easy to swallow, high gloss coating system. It is highly recommended for high volume production batches to save production time. It is available in different compositions and combination of materials, in which, the film former options are Polyvinyl Alcohol and Hypromellose.

Readycoat HS can be used with aqueous system.

The typical application ranges between 2 to 2.5 %* weight gain.

Examples of Oral Solid Dosage forms

Ibuprofen,
Acetaminophen,
Ciprofloxacin HCl,
Azithromycin,
Fexofenadine HCl,
Metformin HCl,
Cetirizine HCl,
Coral Calcium, etc.

Protective Coating

Readycoat® AMB

Readycoat AMB is designed to protect the actives from degradation and enhance stability of finished products. It is available in different compositions and combination of materials, in which, the film former options are Polyvinyl Alcohol, Hyprolose, Dharacoat EPO etc.

Readycoat AMB can be used with aqueous system.

The typical application ranges between 2 to 3.5 %* weight gain.

Readycoat® MB

Readycoat MB is used to protect highly sensitive actives from water as well as other environmental degradation challenges where aqueous coating is not possible. It is available in different compositions and combination of materials, in which, the film former options are Ethylcellulose, Stearic Acid, etc.

Readycoat MB can be used with non-aqueous and hydro-alcoholic solvents.

The typical application ranges between 3 to 4.5 %* weight gain.

Examples of Oral Solid Dosage forms

Multivitamins,
Calcium Carbonate,
Herbal,
B-complex,
Clopidogrel Bisulphate,
Potassium Clavulanate,
Montelukast,
Ranitidine HCl,
Glucosamine,
Chondroitin Sulfate, etc.

Sugar Coating

Readycoat® SG

Readycoat SG is designed as a sprayable sugar coating to ease and enhance productivity of sugar-coating process. It is available in different compositions and combination of materials, in which, the film former options are Hypromellose, Povidone, etc.

Readycoat SG can be used with aqueous system.

The typical application ranges between 40 to 80 %* weight gain.

Examples of Oral Solid Dosage forms

Bisacodyl,
Trypsin and
Chymotrypsin,
Chloroquine Phosphate,
Ibuprofen,
Diclofenac Sodium, etc.

* Application(%)may differ depending on physical and chemical properties of finished dosage forms.

Readycoat®

Color Ready Mix

Transparent Coating

Readycoat® CLEAR

Readycoat Clear is designed to achieve clear transparent film on finished products to keep natural tablet core look in coated products. It is available in different compositions and combination of materials, in which, the film former options are Hypromellose, Polyvinyl Alcohol, Ethylcellulose, Stearic Acid, etc.

Readycoat Clear can be used with aqueous, non-aqueous and hydro-alcoholic solvents.

The typical application ranges between 1 to 2 %* weight gain.

Examples of Oral Solid Dosage forms

Herbal,
Senna,
Multivitamin,
Diclofenac Potassium,
Bilayer Tablet, etc.

Sub Coating

Readycoat® SC

Readycoat SC is designed as a protective sub coating can be applied prior to enteric coating or drug layering process. It is available in different compositions and combination of materials, in which, the film former options are Hypromellose, Ethylcellulose, etc.

Readycoat SC can be used with aqueous, non-aqueous and hydro-alcoholic solvents.

The typical application ranges between 2 to 3 %* weight gain.

Examples of Oral Solid Dosage forms

Pantoprazole Sodium,
Rabeprazole Sodium,
Esomeprazole Sodium,
etc.

Enteric Coating

Readycoat® EZE / EZE II

Readycoat EZE and EZE II are fully formulated enteric readymix coating materials designed to provide gastric acid resistance to finished products and to ease drug delivery in intestinal region. It is available in different compositions and combination of materials, in which, the film former options are Dharacoat L 100-55, Dharacoat MAE 100P, etc.

Readycoat EZE / EZE II can be used with aqueous solvents.

The typical application ranges between 8 to 10 %* weight gain.

Readycoat® 20D

Readycoat 20D is an aqueous ready to use dispersion for delayed release coating with an advantage of ready to spray technology and faster coating. It is available in different compositions and combination of materials, in which, the film former option is Dharacoat L 30D-55.

Readycoat® EC

Readycoat EC is designed to achieve intestinal drug delivery of the products where water as a solvent can not be used. It is available in different compositions and combination of materials, in which, the film former options are Dharacoat L 100, Dharacoat S 100, etc.

Readycoat EC can be used with non-aqueous and hydro-alcoholic solvents.

The typical application ranges between 8 to 10 %* weight gain.

Examples of Oral Solid Dosage forms

Pantoprazole Sodium,
Aspirin,
Rabeprazole Sodium,
Sulfasalazine,
Esomeprazole Magnesium,
Sodium Valproate,
Omeprazole Sodium,
Bisacodyl,
Sodium Bicarbonate,
Diclofenac Sodium,
Mesalazine,
Charcoal,
Duloxetine HCl,
Naproxen Sodium,
Fish Oil Softgel,
Doxylamine Succinate,
Garlic, etc.

* Application(%)may differ depending on physical and chemical properties of finished dosage forms.

Readycoat®

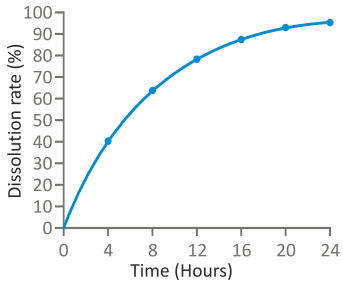
Color Ready Mix

Sustained Release

Readycoat® SR I

Readycoat SR I is pH independent matrix former, to be used in direct compression tablet process. It can be used to achieve desired release profile in finished products at low compression forces due to plastic nature of the polymers. Effect of Readycoat SR I on release pattern of the formulation is dose proportional. The polymers used in Readycoat SR I are Polyvinyl acetate and polyvinyl pyrrolidone.

The typical application use level ranges between 15 to 55 %*.



Specialty Products

Readycoat® PEARL

Readycoat Pearl is designed to enhance aesthetic value of coated products and thereby patient compliance. It is available with different aluminum silicate colors to give metallic effect on the coated products. It is available in different compositions and combination of materials, in which, the film former options are Hypromellose, Polyvinyl Alcohol, Ethylcellulose, etc.

Readycoat Pearl can be used with aqueous, non-aqueous and hydro-alcoholic solvents.

The typical application ranges between 1 to 1.5 %* weight gain.

Readycoat® FLAVOUR / SWEET

The products are designed to enhance aesthetics of coated products. Products can be offered with different flavors and/or artificial sweeteners as per requirements. It is available in different compositions and combination of materials, in which, the film former options are Hypromellose, Polyvinyl Alcohol, Ethylcellulose, Stearic Acid, etc.

Readycoat Flavor/ Readycoat Sweet can be used with aqueous, non-aqueous and hydro-alcoholic solvents.

The typical application ranges between 2 to 3.5 %* weight gain.

Readycoat® GLOW

Readycoat Glow is designed to achieve high gloss on the products which enhances coated product appearance as well as ease in packaging. It is available in different compositions and combination of materials, in which, the basic material options are macrogols and Natural wax, etc.

Readycoat Glow can be used with aqueous, non-aqueous and hydro-alcoholic solvents.

The typical application ranges between 0.5 to 1.0 %* weight gain.

Readycoat® HTP 20/T 20

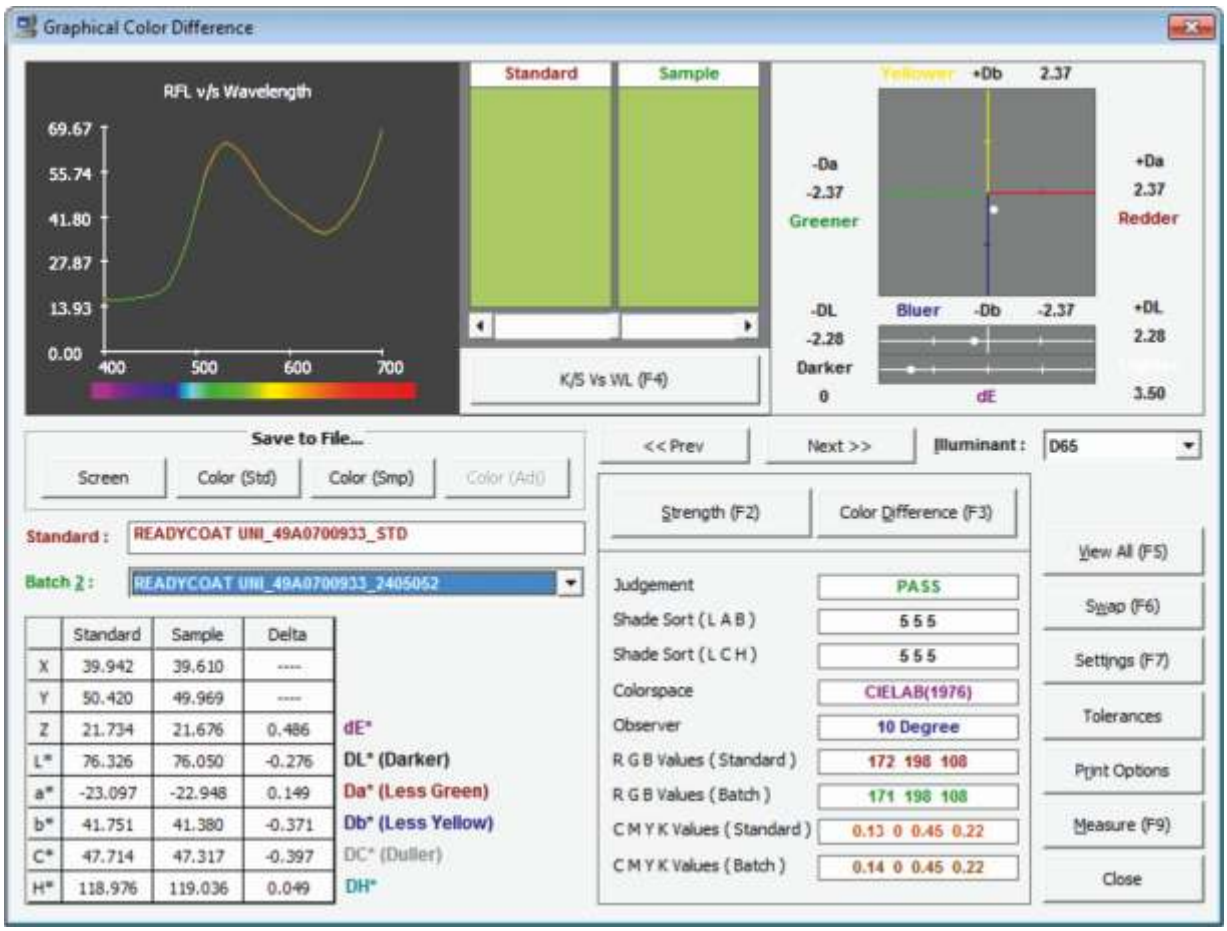
Ready to use plasticizer for optimum performance based on Tri-ethyl citrate.

* Application(%)may differ depending on physical and chemical properties of finished dosage forms.

Salient Features of Readycoat Grades

- Color matching using software for △E value
- Batch to batch color uniformity.
- Low inventory required.
- Minimize cost of testing.
- Consistent performance.
- Processing time reduction.
- Less technical expertise required.
- Customised grades available.

Color matching software dE value report (△E value)



- Unique color matching technique.
- Well established methodology of color matching.
- Instrument based color matching system to eliminate human errors.
- Assurance of color consistency in every supply.
- Color matching possibilities by variable reference like physical sample, Pantone code etc.

Ion-exchange Resin
ionex®
Bitter taste protection chemistry

Ion-exchange Resins

Polacrilex Resin

Ionex IRP 640

- This is used for the sustained release of nicotine. The resinate complex could be added to flavoured chewing gums and hard lozenges used for nicotine therapy to manage for quit off smoking (For manufacturing of **Nicotine Polacrilex USP**)
- Also suitable for the taste masking for free base drugs, like Cefixime, Linezolid.
- Vitamin B12 stabilizer.

Sodium Polystyrene Sulfonate USP

Ionex IRP 691

- Strong acid cation exchange resin with sulphonic acid groups in sodium form.
- To control blood potassium for the treatment of **Hyperkalemia**
- As Long acting taste masking agent in Dextromethorphan Hbr.
- As an Anti-tussive agent
- As appetite reducing agent.
- Used in Streptomycin sulphate API to purify & load the sulphate ion in the process of manufacturing.

Calcium Polystyrene Sulfonate BP/JP

Ionex IRP 692

- Strong acid cation exchange resin with sulphonic acid groups in calcium form.
- To control blood potassium for the treatment of **Hyperkalemia**
- As an Anti-tussive agent
- As appetite reducing agent.
- Amino acid purification.

Polacrilex Resin

Ionex IRP 641

- Metronidazole, Ofloxacin, Norfloxacin

Polacrilin Potassium USP/NF

Ionex IRP 880

- Super Disintegrant/Dissolution Improvement

Polacrilin Potassium

Ionex IRP 881

- Ondansetron, Sildenafil Citrate, etc.

"You Name it, We Frame it !"

Customised Taste masking Development

Ready to Use Grades

RTU FT Famotidine	**RTU CA** Cefuroxime Axetil
RTU PR Cefpodoxime Proxetil	**RTU C** Cefixime
RTU ZN Zinc Sulphate	**RTU FF** Fexofenadine HCl
RTU CP Ciprofloxacin HCl	**RTU AZ** Azithromycin Dihydrate
RTU FX Flucloxacillin Magnesium	**RTU IB** Ibuprofen
RTU RX Roxithromycin	

Drug Specific Grades

IRP 882 AZ Azithromycin Dihydrate
IRP 882 CP Ciprofloxacin HCl
IRP 641 A Chloroquine Phosphate, Quinine Sulphate
IRP 641 C Cefuroxime Axetil, Cefpodoxime Proxetil
IRP 881 D Desloratidine HCl
IRP 882 BL Bilastine

Why choose us ?

- Highly qualified and talented professionals in each department.
- Innovative and customised products as per requirements.
- Global regulatory support for products.
- Globally recognised GMP certificate like Excipact.
- Offering best-in-class services to our customers.
- Shorter delivery time of 10-15 working days.
- High quality products at competitive rates.
- Excipient information package(EIP) as per international guidelines available.

Registered Manufacturing Facility

DMF Available

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SYSTEM CERTIFICATION ISO 9001 SGS

حلال Halal

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Dhara Lifescience Private Limited
26, Silver Homes, Science City Road,
Sola, Ahmedabad - 380060, Gujarat, INDIA.
Contact : +91-78198 24051, +91-98258 36511.
For Further Information & Inquiries :
+91-98258 36595, +91-63596 36066.
Email : dharalifescience@gmail.com
director@dharalifescience.com

www.dharalifescience.com

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