



Anshul Life Sciences

Partnering innovation, adding value.

Excipients for enhancing the performance of formulations!



EXCIPIENT RANGE FROM ANSHUL LIFE SCIENCES- AN OVERVIEW

Function	Products	Pharmacopoeial Name / Status	Application Guidelines		
SOLID ORALS					
WET GRANULATION					
BINDERS	Povidone K-15	Povidone	Low molecular weight, especially used for parenteral preparation		
	Povidone K-25	USP/NF, Ph. Eur, JP, IP	Low molecular weight compared to K30, but viscosity similar to K30		
	Povidone K-30		Improves dissolution, used as a binder for drug loading on pellets		
	Povidone K-90 & K90 Coarser		Binder for modified release tablets, for poorly compressible APIs and Herbal drugs where there is little space for excipients		
	Copovidone VA64	Copovidone USP/NF, Ph.Eur, JP	For moisture sensitive API		
	AnyCoat [®] C AN3, AN4, AN5, AN6, AN15, AN50	Hypromellose (HPMC) USP/NF, EP, JP, KP	Enhances tablet hardness with improved binding property		
	UNIPURE [™] F Purity [™] 21 A	Corn Starch USP/NF, Ph. Eur, JP	Diluent Distribution of potent API and colour		
	UNIPURE [™] WG 220	Pregelatinized Starch USP/NF, Ph. Eur	Also a disintegrant at 5-10% of tablet weight, when added in lubrication		
DILUENTS	ARMOR PHARMA [™] Lactose monohydrate 200M Lactose monohydrate 150M Lactose monohydrate 350M Lactose monohydrate 450M Lactose monohydrate 201 Lactose monohydrate 231	Lactose Monohydrate USP/NF, Ph. Eur, JP	Improves the wettability of hydrophobic API Coarser grade of milled lactose for micronized API Wet and dry granulation, fermentation process Micronized Lactose, improves blending Milled Lactose, Wet and Dry granulation Milled Lactose, Wet and Dry granulation		
	Comprecel [®] M101 Comprecel [®] M101LD	Microcrystalline Cellulose USP/NF, Ph. Eur, JP	First choice for granulation Low density, High Compactability, High dose formulation and Heat sensitive API		
	Comprecel [®] M105 Comprecel [®] M113 Comprecel [®] M301		Micronized grade, as spheronizing aid and improves hardness of tablets Low moisture grade for non-aqueous granulation High bulk density for small tablets		
	Comprecel [®] SMCC 50	Silicified Microcrystalline Cellulose NF/JPE	Excellent Compactability also after wet granulation Improved blending property		
	Mannogem [®] Emerald Mannogem [®] Onyx Mannogem [®] Powder	Mannitol USP/EP Mannitol USP/EP Mannitol USP/EP	Particle size D50 25 microns, also for oral care Particle size D50 50 microns, also for oral care Particle size D50 160 microns, also for oral care		
	DIRECT COMPRESSION				
	BINDERS	Copovidone VA64	Copovidone USP/NF, Ph. Eur, JP	2-5% of tablet weight. Less hygroscopic as compared to Povidone. Solid Dispersion by Melt extrusion	
		Partially Pregelatinized Starch	Partially Pregelatinized Starch USP	Effective binder for Fluid Bed Processor Eliminates the use of superdisintegrant	
	DILUENTS/ BINDERS/ DISINTEGRANTS	Comprecel [®] M102 Comprecel [®] M112 Comprecel [®] M200/200LM Comprecel [®] M212 Comprecel [®] M302	Microcrystalline Cellulose USP/NF, Ph. Eur, JP	First Choice for DC granules Moisture sensitive API. LOD less than 1.5% Coarsest material, used to improve the flow of micronized API Coarser grade, used to improve the flow and compressibility Higher bulk density grade, reduces the thickness of tablets	
		Comprecel [®] SMCC 90 Comprecel [®] SMCC 90 HD	Silicified Microcrystalline Cellulose NF/JPE Silicified Microcrystalline Cellulose NF/JPE	Excellent Compactability with superior flow properties with Higher Bulk Density, For moisture sensitive formulations	
		DILUENTS	EXCIPRESS [™] GR150	Agglomerated Lactose Monohydrate USP/NF, Ph. Eur, JP	Uniform particle size and good compressibility Capsule and Sachet filling
			EXCIPRESS [™] SD2L	Spray Dried Lactose Monohydrate USP/NF, Ph. Eur, JP	Spray Dried Lactose with good flowability and compressibility
			Lactose monohydrate 80M	Lactose Monohydrate USP/NF, Ph. Eur, JP, IP	Sieved Lactose for sachets and capsules
Mannogem [®] XL Ruby Mannogem [®] 2080 Mannogem [®] Granular			Mannitol USP/EP	Agglomerated mannitol D50 250 microns Agglomerated mannitol D50 320 microns Agglomerated mannitol D50 480 microns	
Mannogem [®] EZ			Spray dried mannitol D50 125 microns		

DIRECT COMPRESSION

DILUENTS	Mannogem® XL		Spray dried mannitol D50 125 microns, superior compactability
	Mannozem® XL Opal		Spray dried mannitol D50 160 microns
	Advantose® 100	Maltose USP/EP	Spray dried, Desirable mouthfeel, Improves tableting of low density materials
	Effer-Soda®	Modified Sodium Bicarbonate	To stabilise Effervescent fomulation of tablets and sachets
DILUENTS/BINDERS/ DISINTEGRANTS	Advantol® 300	Coprocessed Excipient with Polyols	For fast melt and soft chew delivery system
	PharmaBurst® 500	ODT platform Technology	Excellent mouthfeel, Improved Drug loading
	Ultraburst®	ODT Platform Technology	Excellent mouthfeel with faster Disintegration time
DILUENTS/BINDERS	Advantose® FS 95	Coprocessed Excipient with Fructose	Used to mask undesirable flavors, Excellent flow and good compressibility
	Compressol® SM	Sorbitol and Mannitol	High API and improves compressability.For Effervescent and chewable tablet
DIRECTLY COMPRESSIBLE	HiG - Health in Gum®	Gum Base, Polyols, Softeners,	Novel dosage form, excellent flow and easy to tablet
GUM BASE COMPOUNDS	HiG® PWD 01	Anti-caking agent	Directly compressible, ideal for moisture sensitive API
	HiG® PWD 03		
	HiG® PWD 04		

DRY GRANULATION

DILUENTS	ARMOR PHARMA™	Lactose Monohydrate	Improves dissolution by improving wettability of API
	Lactose monohydrate 200M	USP/NF, Ph. Eur, JP	Coarser grade for uniform distribution of micronized API
	Lactose monohydrate 150M		
	Lactose monohydrate 201		Used for hydrophobic API to improve dissolution of API
	Lactose monohydrate 231		Improves the dissolution by increasing wettability of API
	Mannogem® Emerald	Mannitol USP/EP	Particle size D50 25 microns, also for oral care
Mannogem® Onyx	Mannitol USP/EP	Particle size D50 50 microns, also for oral care	
Mannogem® Powder	Mannitol USP/EP	Particle size D50 160 microns,also for oral care	
DILUENTS/BINDERS/ DISINTEGRANTS	Comprecel® M101	Microcrystalline Cellulose USP/NF, Ph. Eur, JP	Improves the compressibility of slugs for poorly compressible API
	Comprecel® M101LD		Low density, High Compactability, High dose formulation and Heat sensitive API
	Comprecel® M105		Improves the compressibility of slugs for poorly compressible API
	Comprecel® M113		For moisture sensitive API
	Comprecel® M301		To increase the bulk density of the granules
	Comprecel® SMCC 50	Silicified Microcrystalline Cellulose NF/JPE	Excellent Compactability and Improved blending property
BINDER	Copovidone VA64	Copovidone USP/NF, Ph. Eur, JP	For moisture sensitive API as less Hygroscopic
	AnyCoat® C	Hypromellose (HPMC)	
	AN3, AN4, AN5, AN6, AN15, AN50	USP/NF, EP, JP, KP	To improve the compressibility of slugs of poorly compressible API
	Partially Pregelatinized Starch	Partially Pregelatinized Starch USP	As a diluent and disintegrant

WET / DRY / DIRECT COMPRESSION

SUPER DISINTEGRANTS	Crospovidone XL	Crospovidone Type A	Due to its rapid disintegrating properties, it is used in dispersible tablets
	Crospovidone XL10	Crospovidone Type B	Improves dissolution of poorly soluble and cationic drugs
		USP/NF, Ph. Eur, JP, IP	Forms solid dispersion by hot melt extrusion
	Disolcel®	Croscarmellose Sodium	Improves dissolution as it disintegrates rapidly
		USP/NF, Ph. Eur, JP	Concentration of 0.5-5% of tablet weight and for capsules: 10-25%
DISINTEGRANTS	DST®	Sodium Starch Glycolate	Expands 25 times by rapid water absorption
		USP/NF, Ph. Eur, JP	Reduces negative disintegration effect of hydrophobic lubricants
	Partially Pregelatinized Starch	Partially Pregelatinized Starch USP	Diluent and a binder with self lubricating properties Low moisture grade with LOD <2%
LUBRICANT	UNIPURE™ FL (Low Moisture)	Corn Starch	5-10% of tablet weight and upto 90% of blend weight in capsules
		USP/NF, Ph. Eur, JP	Moisture content <2.0%
LUBRICANT	Lubripharm®	Sodium Stearly Fumarate NF/EP/JP	As an intra and extra granular disintegrant Less hydrophobic lubricant and for API incompatible with metallic salts
GLIDANT	HMFSIL 200	Colloidal Silicon Dioxide USNF Sillica Colloidal anhydrous EP	Improves compressability
SOLUBILIZER	Copovidone VA64	Copovidone VA64 USP/NF, Ph. Eur, JP, IP	As a solubilizer to increase the solubility of API in hot melt extrusion

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FILM COATING			
FILM COATING POWDER	AnyCoat [®] C AN4, AN5, AN6, AN15	Hypromellose (HPMC) USP/NF, EP, JP, KP	Film is transparent with high tensile strength
	Ashacel [®] MP 7, MP 10	Ethyl Cellulose USP/NF, EP, JP	Moisture barrier coat for sugar & film coating
	AshaKote [®]	30% Ethyl Cellulose Aq. Dispersion USP/NF	Extended release, aqueous moisture barrier
CAPSULES			
SHELL POLYMER	AnyCoat [®] C AN3, AN4, AN5, AN6, AN50	Hypromellose (HPMC) USP/NF, EP, JP, KP	Excellent film forming with good tensile strength and low oxygen permeability
PLASTICIZER	Sorbitol Special [®]	Sorbitol Sorbitan Solution USP/NF	For more hydrophilic and PEG fill in Soft gel capsules
	Sorbitol Special [®] MDF 85	Sorbitol Sorbitan Solution USP/NF	Improves stability of softgel capsules
	Sorbitol Special [®] A810	Sorbitol Sorbitan Solution and Glycerine	For very viscous fills in Softgel Capsules
CAPSULES/SACHETS	Xanthan Gum Pharma Grade 200 mesh Pharmasperse [®] 416	Xanthan Gum USP/NF, Ph. Eur Orally Dispersible powder	Hydrophilic Controlled Release System, in conjunction with other hydrophilic polymers Diluent for mouthfeel and easy dispersibility. Uniform blending with API

MODIFIED RELEASE FORMULATION

POLYMERS	AnyCoat [®] C CN10M, CN40H, CN15U, CN10T	Hypromellose (HPMC) USP/NF, EP, JP, KP	Hydrophilic matrix system for wet granulation to control drug release pattern
	AnyCoat [®] C CN10M Plus, CN40H Plus, CN15U Plus, CN10T Plus	Hypromellose (HPMC) USP/NF, EP, JP, KP	Hydrophilic matrix system for directly compressible control drug release pattern
	AnyCoat [®] P HP-50 & HP-55	Hypromellose (HPMCP) USP/NF, EP, JP, KP	Delayed release system, pH dependant release, used as enteric polymer
	Ashacel [®] MP 4, MP 7, MP 10 MP 20, MP 45, MP 100	Ethyl Cellulose USP/NF, EP, JP	Moisture coating/ Binder/Extended release Microencapsulation
	AshaKote [®]	30% Ethyl Cellulose Aqueous Dispersion USP/NF	Extended release, aqueous moisture barrier
	Sodium Alginate	Sodium Alginate USNF, Ph.Eur	Microencapsulation, Viscosity (2.5%) 200-400 cps, CR formulation
	Copovidone VA64 (Low Tg)	Copovidone USNF/Ph.Eur/JPE	For Melt extrusion

LIQUID ORALS

THICKENERS & SUSPENSION	Povidone K30/K90	Povidone USP/NF, Ph. Eur, JP, IP	Surface active properties, taste masking, solubility enhancer
	Neocel [®]	Colloidal MCC USP/NF, EP, BP, JP	Forms thixotropic gel at > 1.2% , suspending agent; emulsion stabilizer; gelling agent;
STABILIZERS	C 08/C 11/C 81/C 91/ C61/C20 Neocel Spray Dried Grades		C61 easily activated, C20: highest Sodium CMC content and lowest viscosity Easy to Disperse than Normal Grades
	Xanthan Gum Pharma Grade 80 mesh and 200 mesh	Xanthan Gum USP/NF, Ph. Eur	Suspending agent for conventional, dry and sustained release suspensions
	Crospovidone SL	Crospovidone Type B USP/NF, Ph. Eur, JP, IP	Dispersing agent, stabilizer for dry syrup, oral suspension, taste masking
	AnyCoat [®] C CN10M, CN40H BN40H, AN3, AN4, AN5, AN6	Hypromellose (HPMC) USP/NF, EP, JP, KP	Thickener, Viscosity exponentially increases with concentration Suspending aid Suspending agent in dry syrups for Dispersing Agent
	HMFSL 200	Colloidal Silicon Dioxide USNF Sillica Colloidal anhydrous EP	Improves dispersion of Active and oil adsorption in suspension and emulsion
	Sodium Alginate	Sodium Alginate USNF/Ph.Eur	Thickening agent/ Antacid for Raft formation

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LIQUID ORALS			
SWEETENING AGENTS	Sodium Saccharin	Sodium Saccharin	Different particle size to suit the need of the formulation 40-60 mesh and 80-120 mesh
	Hydrated 6% /15%	USP/NF, Ph. Eur	
	Acid Saccharin	Saccharin USP, EP, JP	Water insoluble grade. Readymix suspensions. Chewable tablets
	Sodium Cyclamate	Sodium Cyclamate USP, EP, JP and BP	Anhydrous and hydrated form available
	Cyclamic Acid	Cyclamic Acid Ph. Eur	Readymix suspensions/Oil based preparations
	Sucralose	Sucralose USP/NF, EP, FCC	320-1000 times sweeter than sugar, stable under heat and over a wide range of pH
FLAVOURING AGENTS	Capsudx®	Menthol Derivatives	Taste masking and 25% more cooler than Menthol
STERILE PREPARATIONS			
DILUENT	EXCIPURE™ DPI 111 DPI 222 DPI 223 DPI 231	Lactose Monohydrate USP/NF, Ph. Eur, JP	Low endotoxin Lactose for Dry Powder Inhalation Can be customized
ORAL CARE			
COOLING AGENT	Coolstrip®	Proprietary blend	Cooling and decorative In Cosmeceuticals and Oral care
	Capsudx®	Proprietary blend	In Cosmeceuticals and Oral care
CARRIER	Glowospheres®	Proprietary blend	Delivery System For Oil Soluble Actives in clear gel & Aesthetics
THICKENING AGENT	Carrageenan	Carrageenan	In Toothpaste as a Thickner
	Xanthan Gum	USP/ Ph.Eur/JP/IP	In Oral Care as Thickener, CF & AF grade available

*We have separate brochures for Personal Care, Food & Nutraceutical Ingredients

NOTES

OUR PARTNERS



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