



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 | | 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 | Improves the wettability of hydrophobic API |
| | ARMOR PHARMA [™] Lactose monohydrate 150M | USP/NF, Ph. Eur, JP | Coarser grade of milled lactose for micronized API |
| | Lactose monohydrate 350M | | Wet and dry granulation, fermentation process |
| | Lactose monohydrate 450M | | Micronized Lactose, improves blending |
| | Lactose monohydrate 201 | | Milled Lactose, Wet and Dry granulation |
| | Lactose monohydrate 231 | | Milled Lactose, Wet and Dry granulation |
| | Lactose IP 200M | Lactose Monohydrate IP | For domestic market |
| | Comprecel [®] M101 | Microcrystalline Cellulose | First choice for granulation |
| | Comprecel [®] M101LD | USP/NF, Ph. Eur, JP | Low density, High Compactability, High dose formulation and Heat sensitive API |
| | Comprecel [®] M105 Comprecel [®] M113 Comprecel [®] M301 | | Micronized grade, as spheroning 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 compactibility also after wet granulation. Improved blending property |
| 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 | Microcrystalline Cellulose | First Choice for DC granules |
| | Comprecel [®] M112 | USP/NF, Ph. Eur, JP | Moisture sensitive API. LOD less than 1.5% |
| | Comprecel [®] 200/M200LM | | Coarsest material, used to improve the flow of micronized API |
| | Comprecel [®] M212 | | Coarser grade, used to improve the flow and compressibility |
| | Comprecel [®] M302 | | Higher bulk density grade, reduces the thickness of tablets |
| | Comprecel [®] SMCC 90 | Silicified Microcrystalline Cellulose NF/JPE | Excellent compactibility with superior flow properties 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 [™] SD2 | 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 |
| DIRECTLY COMPRESSIBLE GUM BASE COMPOUNDS | HiG - Health in Gum [®] HiG [®] PWD 01 HiG [®] PWD 03 HiG [®] PWD 04 | Gum Base, Polyols, Softeners, Anti-caking agent | Novel dosage form, excellent flow and easy to tablet Directly compressible, ideal for moisture sensitive API |
| MODIFIED RELEASE FORMULATION | AnyCoat [®] C CN10M, CN40H, CN15U, CN10T | Hypromellose (HPMC) USP/NF, EP, JP, KP | Hydrophilic matrix system for wet granulation to control drug release pattern |

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| DRY GRANULATION | | | |
| | 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 |
| | Xanthan Gum Pharma Grade 200 mesh | Xanthan Gum USP/NF, Ph. Eur | Hydrophilic Controlled Release System, in conjunction with other hydrophilic polymers |
| DILUENTS | ARMOR PHARMA [™] Lactose monohydrate 200M | Lactose Monohydrate | Improves dissolution by improving wettability of API |
| | ARMOR PHARMA [™] Lactose monohydrate 150M | USP/NF, Ph. Eur, JP | Coarser grade for uniform distribution of micronized API |
| | Lactose monohydrate 201 | | Used for hydrophobic API to improve dissolution of API |
| | Lactose monohydrate 231 | | Improves the dissolution by increasing wettability of API |
| | Lactose IP 200M | | Same as Lactose 200M for domestic market |
| 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 compactibility and Improved blending property |
| BINDER | Copovidone VA64 | Copovidone USP/NF, Ph. Eur, JP | For moisture sensitive API as LOD <1.5% |
| | 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 binder 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 USP/NF, Ph. Eur, JP, IP | Improves dissolution of poorly soluble and cationic drugs Forms solid dispersion by hot melt extrusion |
| | Disolcel [®] | Croscarmellose Sodium USP/NF, Ph. Eur, JP | Improves dissolution as it disintegrates rapidly Concentration of 0.5-5% of tablet weight and for capsules: 10-25% |
| | DST [®] | Sodium Starch Glycolate USP/NF, Ph. Eur, JP | Expands 25 times by rapid water absorption Reduces negative disintegration effect of hydrophobic lubricants |
| DISINTEGRANTS | Partially Pregelatinized Starch | Partially Pregelatinized Starch USP | Diluent and a binder with self lubricating properties Low moisture grade with LOD <2% 5-10% of tablet weight and upto 90% of blend weight in capsules |
| | UNIPURE [™] FL (Low Moisture) | Corn Starch USP/NF, Ph. Eur, JP | Moisture content <2.0% As an intra and extra granular disintegrant |
| SOLUBILIZER | Copovidone VA64 | Copovidone VA64 USP/NF, Ph. Eur, JP, IP | As a solubilizer to increase the solubility of API in hot melt extrusion |
| | Cyclodextrins | Betacyclodextrin USP Hydroxy Propyl Betacyclodextrin USP | Solubilizes hydrophobic API by complexation |
| FILM COATING | | | |
| FILM COATING POLYMER | 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 Aqueous Dispersion USP/NF | Extended release, aqueous moisture barrier |
| CAPSULES | | | |
| SHELL POLYMER | AnyCoat [®] C AN 3, AN4, AN5, AN6, AN50 | Hypromellose (HPMC) USP/NF, EP, JP, KP | Excellent film forming with good tensile strength and low oxygen permeability |

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| LIQUID ORALS | | | | |
| THICKENERS & SUSPENSION STABILIZERS | 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; | |
| | 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 | |
| | SWEETENING AGENTS | Sodium Saccharin Hydrated 6% /15% | Sodium Saccharin USP/NF, Ph. Eur | Different particle size to suit the need of the formulation 40-60 mesh and 80-120 mesh |
| Acid Saccharin | | Saccharin USP, EP, JP | Water insoluble grade. Readymix suspensions. Chewable tablets | |
| Sodium Cyclamate Cyclamic Acid | | Sodium Cyclamate USP, EP, JP and BP Cyclamic Acid Ph. Eur | Anhydrous and hydrated form available 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™ | Lactose Monohydrate USP/NF, Ph. Eur, JP | Low endotoxin Lactose for Dry Powder Inhalation | |
| SOLUBILIZER | Cyclodextrins | Hydroxy Propyl Betacyclodextrin USP Sulfobutyl Ether Betacyclodextrin USP Alpha Betacyclodextrin USP Gamma Betacyclodextrin USP | As a solubilizer for hydrophobic molecules in liquids & DPI It forms noncovalent complexes with many types of compounds and enhances their solubility and stability in water Smallest cavity, forms inclusion complex with small sized molecules Largest cavity, forms inclusion complexes with large molecules, it has low toxicity and enhanced water solubility | |
| ORAL CARE | | | | |
| COOLING AGENT | Coolstrip® | Proprietary blend | Cooling and decorative In Cosmeceuticals and Oral care | |
| | Capsudx® | Proprietary blend | In Cosmeceuticals and Oral care | |

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

OUR PARTNERS





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