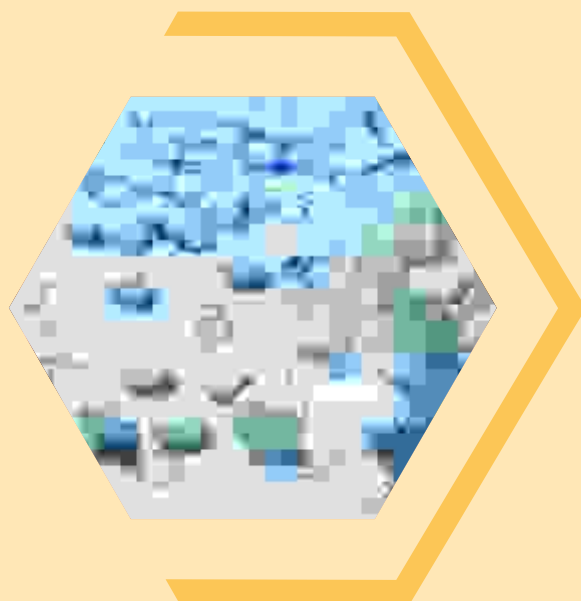




Rawia International Healthcare Pvt. Ltd.

EXCIPIENT



www.rawia.in



EXCIPIENT

WiaAlgin

ULTRA PURE SODIUM ALGINATE (USP/NF, EP)

GRADE	TYPE	APPARENT VISCOSITY (MPA.S)	CALCIUM (%) / PHOSPHORUS (%)	APPLICATIONS
WIAALGIN UP VLVG	Ultra Pure	< 20	Guluronate: Min. 60%	In the development of novel drug delivery systems in the form of alginate beads for immobilization / encapsulation of living cells or other biomaterials and in the form of alginate foams and gels in areas such as tissue engineering, wound management, anti-adhesion, in-vivo / in-vitro cell support, medical implants and in-situ controlled release applications.
WIAALGIN UP LVG		20 - 200		
WIAALGIN UP MVG		> 200		
WIAALGIN UP VLVM		< 20	Mannuronate: Min. 50%	
WIAALGIN UP LVM		20 - 200		
WIAALGIN UP MVM		> 200		
WIAALGIN SLG ₂₀	Streile	20 - 99	Guluronate: Min. 60%	
WIAALGIN SLG ₁₀₀		100 - 300		
WIAALGIN SLM ₂₀		20 - 99	Mannuronate: Min. 50%	
WIAALGIN SLM ₁₀₀		100 - 300		

WiaCal - CO3

CALCIUM CARBONATE (USP/NF, EP, JP)

GRADE	DESCRIPTION	APPLICATIONS
WiaCal LL 250	Low lead content (less than 250 ppb)	Tablet and capsule diluent. Also used in antacid preparations, osteoporosis treatment, mineral supplements and production of calcium derivatives .

WiaCal - CO3 DC

DIRECTLY COMPRESSIBLE CALCIUM CARBONATE

GRADE	DESCRIPTION	APPLICATIONS
WiaCal DC 90ST	90% CaCO ₃ and 10% starch	Directly compressible diluent for solid oral dosage forms. Also used in antacid preparations, osteoporosis treatment and mineral supplements.
WiaCal DC 90MD	90% CaCO ₃ and 10% maltodextrin	

WiaCal OH

CALCIUM HYDROXIDE

GRADE	DESCRIPTION	APPLICATIONS
WiaCal OH	95% Ca(OH) ₂	Directly compressible diluent for solid oral dosage forms. Also used in antacid preparations, osteoporosis treatment and mineral supplements.



EXCIPIENT

WiaCal-Ph

CALCIUM PHOSPHATES

DICALCIUM PHOSPHATE (USP/NF, EP, JP)

GRADE	TYPE	CALCIUM (%) / PHOSPHORUS (%)	APPLICATIONS
WiaCal-Ph-TAB	DCP, Anhydrous Granular	29.0 / 22.2	Tablet and capsule diluent for direct compression. Is non-hygroscopic and stable at room temperature resulting in better product stability.
WiaCal-Ph A	DCP, Anhydrous Powder		Filler in wet granulation, vitamin premixes and nutritional drinks.
WiaCal-Ph -DH	DCP, Dihydrate Granular	23.3 / 18.1	Tablet and capsule diluent for direct compression, blend densifier, tablet punch polishing agent, time release agent and a carrier of actives.
WiaCal-Ph - DH	DCP, Dihydrate Powder		Filler in wet granulation, vitamin premixes and nutritional drinks.

TRICALCIUM PHOSPHATE (USP/NF, EP)

GRADE	TYPE	CALCIUM (%) / PHOSPHORUS (%)	APPLICATIONS
WiaCal-Ph-G	TCP, Anhydrous Granular	38.0 / 17.3	Tablet and capsule diluent for direct compression, glidant due to its high surface area and carrier of actives. Ideal for formulations requiring high calcium content.
WiaCal-Ph P	TCP, Anhydrous Powder		Filler in wet granulation particularly antacid formulations for its buffer action. Used in nutritional drinks and for formulations requiring calcium / phosphorus fortification.

TRICALCIUM PHOSPHATE (FCC)

GRADE	TYPE	ADVANTAGES	APPLICATIONS
WiaCal-Ph MP	TCP, Anhydrous Micronized Powder	Provides fortification without grittiness due to its controlled particle size of less than 10-12 µm.	Soft chews and gummies.
WiaCal-Ph Comp	Compound of TCP and Guar Gum	Excellent flow, binding and compressibility. Pleasant mouth feel.	Multivitamins, chewable, botanical dietary supplements, and difficult to compress tablets.



EXCIPIENT

WiaCCS

CROSCARMELLOSE SODIUM (USP/NF, EP, JP)

GRADE	DESCRIPTION	APPLICATIONS
WiaCCS	Effective at low use levels, has enhanced long-term stability facilitates quick disintegration and dissolution in tablets, capsules, granules and other dosage forms	Highly effective in direct compression, dry granulation and wet granulation independent of tablet hardness. Is used intra and/or extra-granularly

WiaCMC

CARBOXYMETHYLCELLULOSE SODIUM (USP/NF, EP, JP)

GRADE	VISCOSITY RANGE MPA.S (% CONCENTRATION)	APPLICATIONS
WiaCMC 150	150 - 300 (2%)	Thickener, stabilizer, film former, suspending and gelling agent in liquid and semi-solid dosage forms. High strength tablet binder and matrix former in sustained-release tablet formulations
WiaCMC 700 P	500 - 900 (2%)	
WiaCMC 2000	P 1500 – 2500 (2%)	
WiaCMC 4000	P 300 - 700 (1%)	
WiaCMC 10000	P 1000 - 1500 (1%)	
WiaCMC 20000	P 1500 - 2500 (1%)	
WiaCMC 30000	P 2500 - 3500 (1%)	
WiaCMC 40000	3000 - 4500 (1%)	
WiaCMC 50000	P 4500 - 7500 (1%)	
WiaCMC 100000	7500 - 10000 (1%)	
WiaCMC 25000S	2000 - 3000 (1%)	

CETOSTEARYL ALCOHOL

GRADE	DESCRIPTION	APPLICATIONS
CETYL ALCOHOLS	BP: Cetostearyl alcohol PhEur: Alcohol cetylicus et stearylicus USPNF: Cetostearyl alcoho	Cetostearyl alcohol is used in cosmetics and topical pharmaceutical preparations. In topical pharmaceutical formulations, cetostearyl alcohol will increase the viscosity and impart body in both water-in-oil and oil-in-water emulsions.

CETYL ALCOHOL

GRADE	DESCRIPTION	APPLICATIONS
CETYL ALCOHOLS	BP: Cetyl alcohol JP: Cetanol PhEur: Alcohol cetylicus USPNF: Cetyl alcohol	Cetyl alcohol is widely used in cosmetics and pharmaceutical formulations such as suppositories, modified-release solid dosage forms, emulsions, lotions, creams, and ointments.



EXCIPIENT

WiaDex

DEXTROSE (USP/NF, EP)

GRADE	ADVANTAGES	APPLICATIONS
WiaDex PF	Pyrogen-free dextrose monohydrate	Osmotic agent in injectables and dialysis solutions, energy source for parenteral nutrition and treatment of hypoglycemia
WiaDex MONOHYDRATE GC	Agglomerated dextrose monohydrate	Direct compression diluent with excellent compressibility and flowability for tablets, sachets and capsule formulations
WiaDex ANHYDROUS C	Crystalline dextrose anhydrous	Diluent for tablets, capsules and sachets

WiaMag O

MAGNESIUM DERIVATIVE

MAGNESIUM OXIDE (USP/NF, EP)

GRADE	DESCRIPTION	BULK DENSITY (G/CC)	APPLICATIONS
WiaMag O	Heavy grade, regular type	NLT 0.25	Used as a pH modifier in antacid preparations and various solid oral dosage forms. Also used in mineral supplements
WiaMag O	Heavy grade, sieved type	0.25 – 0.65	
WiaMag-O-DC	Heavy grade, DC, granular type	0.90 – 1.20 (Tapped)	
WiaMag-O USP LIGHT	Light grade	0.12 - 0.33	
LIGHT WiaMag-O	Light grade	NMT 0.15	

MAGNESIUM CARBONATE (USP/NF, EP)

GRADE	DESCRIPTION	BULK DENSITY (G/CC)	APPLICATIONS
WiaMag-C	Basic magnesium carbonate, heavy grade, free flowing powder	NLT 0.25	Used in antacid preparations and mineral supplements. Also used as a pH modifier, tablet and capsule diluent, adsorbent and anti-caking agent.
LIGHT WiaMag-C	Light grade, free flowing	NMT 0.15	

MAGNESIUM HYDROXIDE (USP/NF, EP)

GRADE	BULK DENSITY (G/CC)	APPLICATIONS
WiaMag-OH HD5	0.25 - 0.55	Spray-dried, directly compressible powders for use in manufacture of antacid preparations and mineral supplements
WiaMag- HO- HD7	0.40 - 0.65	
WiaMag-HO HD9	0.60 - 0.80	
WiaMag- HO- HD12	NMT 1.10	



EXCIPIENT

WiaMCC PH

MICROCRYSTALLINE CELLULOSE

USP/NF, EP, JP

GRADE	PARTICLE SIZE (µm)	MOISTURE CONTENT (%)	APPLICATIONS
WiaMCC PH - 101	50	3.0 - 5.0	Conventional grade for wet and dry granulation
WiaMCC PH - 102	100	3.0 - 5.0	Improves flow in direct compression, dry phase of wet granulation and dry granulation
WiaMCC PH - 103	50	NMT 3.0	Well suited for moisture sensitive actives
WiaMCC PH - 105	20	NMT 5.0	Extra-fine particle size, used for direct compression of materials which are coarse or hard to compress
WiaMCC PH - 112	100	NMT 1.5	Lowest moisture content and is best suited for direct compression of moisture sensitive actives
WiaMCC PH - 113	50	NMT 2.0	Improves product stability, particularly of formulations using moisture sensitive actives
WiaMCC PH - 200	200	2.0 - 5.0	Largest particle size, enhances flow in direct compression and dry granulation whilst maintaining high levels of compressibility with minimum weight variation and content uniformity
WiaMCC PH - 200LM	200	NMT 1.5	Largest particle size with lowest moisture content, allowing for better flow rate than WIAMCC PH112. Improved grade for direct compression of moisture sensitive actives
WiaMCC PH - 301	50	3.0 - 5.0	High bulk density grade, for manufacturing of small tablets. Reduces powder stratification and tablet weight variation by allowing efficient mixing
WiaMCC PH - 302	100	3.0 - 5.0	High bulk density grade with larger particle size, used for production of thin tablets especially in high dose drug formulations. Avoids powder segregation and achieves good flow rates

WiaMCC CE - 15

MICROCRYSTALLINE CELLULOSE

USP/NF, EP and Guar Gum USP/NF, EP

GRADE	ADVANTAGES	APPLICATIONS
WiaMCC CE - 15	Provides smoother and creamier mouth feel, less grittiness, minimum chalkiness, low friability and reduced tooth packing	Designed for direct compression formulations to produce softer chewable tablets with low friability and rapid disintegration



EXCIPIENT

WiaMCC DG

MICROCRYSTALLINE CELLULOSE

USP/NF, EP, JP and Dibasic Calcium Phosphate USP/NF, EP, JP

GRADE	ADVANTAGES	APPLICATIONS
WiaMCC DG	Produces robust ribbons, lowers tablet rejection rates and improves overall tableting performance	Dry granulation processes like roller compaction or slugging.

WiaMCC HFE - 102

MICROCRYSTALLINE CELLULOSE

USP/NF, EP, JP and Mannitol USP/NF, EP, JP

GRADE	ADVANTAGES	APPLICATIONS
WiaMCC HFE - 102	Compared with traditional microcrystalline cellulose grades it has improved flow, superior compactibility, low sensitivity to lubrication and better disintegration properties.	Direct compression of chewable, fast dissolving and MUPS technology tablets.

WiaMCC RC / CL

MICROCRYSTALLINE CELLULOSE AND CARBOXYMETHYLCELLULOSE SODIUM

USP/NF, EP, JPE

GRADE	VISCOCITY (CPS)	ADVANTAGES	APPLICATIONS
WiaMCC RC - 591	39 - 91 (1.2% solids)	Viscosity regulator and modifier, eliminates lengthy hydration times, displays stability to heat and freeze / thaw over a wide pH range and has excellent emulsifying properties for oil-in-water systems	Oral suspensions, nasal / topical sprays, lotions, liquids, semi-solid dosage forms
WiaMCC CL - 611	50 - 118 (12.6% solids)		Reconstitutables / dry and oral suspensions

LANOLIN

PRODUCT	GRADE	APPLICATIONS
LANOLIN	BP: Wool fat JP: Purified lanolin PhEur: Adeps lanae USP: Lanolin	Lanolin is widely used in topical pharmaceutical formulations and cosmetics. Lanolin may be used as a hydrophobic vehicle and in the preparation of water-in-oil creams and ointments.



EXCIPIENT

LANOLIN ALCOHOLS

PRODUCT	GRADE	APPLICATIONS
LANOLIN ALCOHOLS	BP: Wool alcohols PhEur: Alchoholes adipis lanae USPNF: Lanolin alcohols	Lanolin alcohols is used in topical pharmaceutical formulations and cosmetics as a hydrophobic vehicle with emollient properties, e.g., in preparations for dry skin and dry eyes.

LIGHT LIQUID PARAFFIN

PRODUCT	GRADE	APPLICATIONS
LIGHT LIQUID PARAFFIN	BP: Liquid paraffin JP: Liquid paraffin PhEur: Paraffinum liquidum USP: Mineral oil	Mineral oil is used primarily as an excipient in topical Pharmaceutical formulations, where its emollient properties are exploited as an ingredient in ointment bases. It is additionally used in oil-in-water emulsions, as a solvent, and as a lubricant in capsule and tablet formulations, and to a limited extent as a mold-release agent for cocoa butter suppositories. It has also been used in the preparation of microspheres.

L - MENTHOL

PRODUCT	GRADE	APPLICATIONS
L-MENTHOL	BP: Racementhol JP: d,l-Menthol PhEur: Mentholum racemicum USP: Menthol	Menthol is widely used in pharmaceuticals, confectionery, and toiletry products as a flavoring agent or odor enhancer. In addition to its characteristic peppermint flavor, l-menthol, which occurs naturally, also exerts a cooling or refreshing sensation that is exploited in many topical preparations

POLYETHYLENE GLYCOL

PRODUCT	GRADE		APPLICATIONS
POLYETHYLENE GLYCOL	PEG 200 PEG 300 PEG 400 PEG 540 PEG 600 PEG 900 PEG 1000	PEG 1450 PEG 1540 PEG 2000 PEG 3000 PEG 3350 PEG 4000	Polyethylene glycols (PEGs) are widely used in a variety of pharmaceutical formulations including parenteral, topical, ophthalmic, oral, and rectal preparations.

WiaSorb LIQUID

SORBITOL SOLUTION (USP/NF, EP, JP)

GRADE	SORBITOL (DRY BASIS)	TYPE	APPLICATIONS
WiaSorb 70/70 B	74% Min.	Non-crystallizing sorbitol solution	Bulk sweetener and humectant in syrups, suspensions, oral ampoules, lozenges, pastilles, paste and topical preparations. Also used as an excipient for pan-coating.
WiaSorb 70/20 B	93% Min.	Crystallizing sorbitol solution	



EXCIPIENT

WiaSorb POWDER

SORBITOL (USP/NF, EP, JP)

GRADE	MEAN DIAMETER (µm)	TYPE	APPLICATIONS
WiaSorb P 100 T	110	Fine	Used in wet granulation and direct compression of suckable, effervescent and chewable tablets. Diluent for sachets, pharmaceutical chewing gums and in reconstitutable syrups.
WiaSorb P 60 W	180	Standard	
WiaSorb P 30/60	480	Coarse	
WiaSorb XTAB 650	650	Highly Coarse	
WiaSorb XTAB 200S	200	Fine Granulated	
WiaSorb XTAB 300S	300	Standard Granulated	
WiaSorb XTAB 550S	550	Coarse Granulated	
WiaSorb PF	-	Pyrogen - Free	Parenteral nutrition-used in combination with amino acids.

WiaTalc

TALC (USP/NF, EP, JP)

GRADE	TYPE	CALCIUM (%) / PHOSPHORUS (%)	APPLICATIONS
WiaTalc	Standard grade	10.0	Glidant, anti-tacking agent and lubricant in various dosage forms.
WiaTalc M	Micronized grade	4.7	Anti-tacking agent for tablet coating, prevents agglomerations in the coater, eliminates stickiness during drying and reduces coating time.
WiaTalc UM	Ultra-micronized grade	1.1	High surface area lubricant for tablet presses, reduces friction, prevents binding during compression as well as ejection and guarantees smooth crack-free results.

WiaTitol

MALTITOL (USP/NF, EP)

GRADE	MEAN DIAMETER (µm)	TYPE	APPLICATIONS
WiaTitol P 90	90	Fine, crystalline	Diluent for tablets and sachets, excipient for hard coating as well as for candying of lozenges and sweetener for pharmaceutical chewing gums.
WiaTitol P 200	200	Coarse, crystalline	
WiaTitol P 300 DC	230	Granulated	Diluent for direct compression of crunchy chewable tablets.



EXCIPIENT

WiaTitol FLASH

COMPOUND OF MANNITOL (USP/NF, EP, JP and Maize Starch USP/NF, EP, JP)

GRADE	ADVANTAGES	APPLICATIONS
WiaTitol FLASH	Excellent compressibility, high dilution potential, self-disintegrating properties, superior flowability and melt-in-mouth taste experience	Ideal excipient for direct compression of orodispersible / fast-melt tablets

WiaTOL

MANNITOL (USP/NF, EP, JP)

CRYSTALLINE MANNITOL

GRADE	MEAN DIAMETER (µm)	TYPE	APPLICATIONS
WiaTol 25 C (Mannitol 25)	25	Extra Fine	Diluent for tablets, capsules and sachets, excipient for chemically unstable or moisture sensitive actives and orodispersible forms, freeze-drying carrier and sweetener for pharmaceutical chewing gums
WiaTol 50 C (Mannitol 35)	50	Fine	
WiaTol 160 C (Mannitol 60)	160	Standard	
WiaTol PF (Mannitol PFG)	-	Pyrogen - Free	Diuretic-osmotic for injectable solutions and also for freeze dried injectables

GRANULAR MANNITOL

GRADE	MEAN DIAMETER (µm)	TYPE	APPLICATIONS
WiaTol 100 SD	100	Spray Dried	Diluent for direct compression especially for chewable, effervescent and orodispersible tablets, ideal excipient for chemically unstable or moisture sensitive actives and also diluent for capsules and sachets Granulated types are also used as a neutral carrier base onto which actives are loaded
WiaTol 200 SD	180		
WiaTol 300 DC	250	Granulated	
WiaTol 400 DC	360		
WiaTol 500 DC	520		

WiaToL FLASH

COMPOUND OF MANNITOL (USP/NF, EP, JP and Maize Starch USP/NF, EP, JP)

GRADE	ADVANTAGES	APPLICATIONS
WiaToL FLASH	Excellent compressibility, high dilution potential, self-disintegrating properties, superior flowability and melt-in-mouth taste experience	Ideal excipient for direct compression of orodispersible / fast-melt tablets.



EXCIPIENT

WiaTose

LACTOSE MONOHYDRATE (USP/NF, EP, JP, IP)

MILLED LACTOSE

GRADE	Mean Particle size μm (d90)*	ADVANTAGES	APPLICATIONS
WiaTose 70	213	Good compactibility and blending properties with narrow particle size distribution.	Diluent for wet and dry granulation, extrusion spheronization, blends, premixes, sachets and triturations.
WiaTose 140	127		
WiaTose 200	92		
WiaTose 230	53		
WiaTose 400	20		

SIEVED LACTOSE

GRADE	Mean Particle size μm (d90)*	ADVANTAGES	APPLICATIONS
WiaTose 40	490	Excellent flowability and good blending properties. Coarse particle size and shape dependent powder flow helps increased production speeds.	Diluent for capsule filling, blends, premixes, sachets and triturations.
WiaTose 60	347		
WiaTose 80	331		
WiaTose 100	205		

WiaXyl

XYLITOL (USP/NF, EP, JP)

GRADE	MEAN DIAMETER (μm)	APPLICATIONS
WiaXyl 90	90	Diluent for sachets, chewable and suckable tablets, excipient for coating as well as candying of lozenges, sweetener for pharmaceutical chewing gums, mouth rinses and tooth-pastes.
WiaXyl 300	300	
WiaXyl 700	700	

WiaXyl XTAB

XYLITOL (USP/NF, EP, JP and Mannitol USP/NF, EP, JP)

GRADE	MEAN DIAMETER (μm)	COMPOSITION	APPLICATIONS
WiaXyl XTAB 240	240	Compound of xylitol (9397%) and maize dextrin (5%)	For directly compressible chewable tablets and as a diluent for sachets.
WiaXyl XTAB 400	400	Compound of xylitol (98%) and sodium carboxymethyl cellulose (2%)	



Rawia International Healthcare Pvt. Ltd.



112 - A, 1st Floor, Rizvi Chamber
Jain Mandir Marg, Hill Road
Bandra West, Mumbai - 400050

+91 8691006635/38 ☎ 022 2642 5001
info@rawia.in ✉ sales@rawia.in
www.aayurwia.com 🌐 www.rawia.in