



100% Customer delight at all touch points

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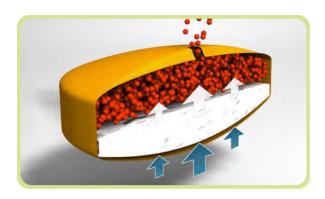








TASTE MASK GRANULES



Features

- · Taste masking is done by encapsulation technology
- Both hydrophobic and hydrophilic actives can be incorporated.
- Extremely round pellets with different sizes.
- Micro pellets 60-80#

Advantage

- Maskes the taste of obnoxious & bitter drugs.
- It not only improves taste but also the formulation and performance.
- Better patient acceptance.

- Acceptable degree of palatability increases.
- Number of therapeutically active herbal molecules having bitter taste can be encapsulated.
- Patient friendly for oral syrup.

Sr No.	Product	Strength	Suitable Dosage Form	Dose	Reference Product	API:DMF; Dossier-CTD
1	AZITHROMYCIN TM GRANULES	7.5%	SUSPENSION	100MG, 200MG/5ML	ZITHROMAX	Available
2	CLARITHROMYCIN TM GRANULES	27.5%, 43.75%	SUSPENSION	125MG, 250MG/5ML	BIAXIN	Available
3	Ibuprofen TM granules	6.7%	SUSPENSION	100 MG/5ML	IBUPROFEN	Available
4	Paracetamol TM granules	12%	SUSPENSION	125 MG,150 MG,240 MG,250 MG,156.25 MG/5ML	IHS	Available
5	Mebeverine HCI TM granules	20%	SUSPENSION	50 mg/5ml	IHS	Available
6	Linezolid TM granules	20%	SUSPENSION	100 mg/5MI	TYLENOL	Available
7	Ciprofloxacin TM granules	20%	SUSPENSION	250 mg, 500 mg/5ml	ZYVOX	Available
8	Cefuroxime TM granules	25%, 50%	SUSPENSION	125 mg, 250 mg/5ml	CIPRO	Available
9	Ampicillin TM granules	25%, 50%	SUSPENSION	125 mg, 250 mg/5ml	PRINCIPEN	Available
10	Ampicillin Cloxacillin TM granules	31.25%, 62.5%	SUSPENSION	125 mg/125 MG 62.5mg/62.5/ 31.25/31.25mg/5ml	IHS	Available
11	Amoxicillin Clavulunic acid TM granules	43%, 60%	SUSPENSION	600mg/42.9 MG/5ML	AUGMENTINES	Available





SUSTAINED RELEASE PELLETS



Advantage

2%

Uniform release of drug substance over time.Reduction in frequency of intakes.

Taste masking problem is also solved.

Reduced adverse side effects.

· More stable and cost effective.

· Better patient compliance.

Benefits

- Prolonged therapeutic effect by continuously releasing medication over an extended period of time after administration of a single dose of the days
- Pellets flow freely and are easy to pack without significant difficulties (resulting in uniform and reproducible fill weight of capsules).
- Pellets are less susceptible to dose dumping.
- It reduces accumulation of drugs especially proven advantageous in the case of irritating drugs.

Suitable Dosage API:DMF; Sr No. Product Strength Dose **Reference Product** Dossier-CTD Form LEVOSULPRIDE SR PELLETS GENERIC 75mg Available 1 60% Capsules 2 DICLOFENAC SODIUM SR PELLETS 30%, 40% 35mg ZORVOLEX Available Capsules KETOPROFEN PELLETS 3 Available 4 VENLAFAXINE SR PELLETS 30%, 33%, 39% Capsules 100mg / 200mg **ORUVAIL** Available MEBEVERINE HYDROCHLORIDE 5 80.0% Capsules 37.5mg FFFFXOR XR Available TAMSULOSIN HCL SR PELLETS 6 0.2% Available DILTIAZEM HYDROCHLORIDE 54.0%, 40% SR PELLETS 7 54.0%, 40% Available 8 NIFEDIPINE ER PELLETS 10% Colfac Available Capsules 200ma 9 DOMPERIDONE PELLETS 13.5%, 19.2% Capsules Flomax Available 0.5mg NICARDIPINE SR PELLETS 20%, 33% Available 10 Capsules 120mg, 240mg Cartia XT 11 TOLTERODINE TARTRAT SR PELLETS 2% Capsules 10mg, 20mg Procardia XL Available 12 Nitroglycerin Pellets 2.40% Capsules 10mg Generic Available Mesalamine Pellets 13 50% Available CARDENE SR® Didanosine Pellets Available 50% Capsules 30ma 14 15 Gliclazide Pellets Available 16 Trimetazidine Pellets Capsules 2mg Detrol LA Available Theophylline Pellets 70% Available 17 Capsules

Capsules

Features

- · Spherical shape and smooth surface.
- Extremely round pellets with different sizes can be produced.
- 4 hr / 8hr / 12hr / 16hr release pattern.
- · Only approved synthetic and natural colors used.
- Pellets are evaluated for assay/ drug content, water content, acid resistance and dissolution rate.
- Two years shelf life.

Available

Tolperisone Pellets

18





ENTEROSPHERES®



Advantage

- Avoidance of high local concentration.
- Useful for the drugs which are unstable at the pH of gastric acid and need to be protected from degradation.
- Facilitate gastrointestinal transit for drugs that are better absorbed from intestine.
- Combination of different release rates of the same drug in a single dosage form.

Features

- Protect the drug from gastric fluids, to reduce gastric distress caused by drugs particularly irritating to the stomach.
- · Spherical pellets with smooth surface.
- Extremely round pellets with different sizes can be produced.
- The process is performed with Spherodizer and extruder.
- Only approved synthetic and natural colors used.
- Pellets are evaluated for assay/drug content, water content, acid resistance and dissolution rate.

Benefits

- Flexibility in dosage form design and development.
- Packaging in 5 Kg, 25 Kg, 50 Kg drums and 30 Kg in aluminum cartons.
- · Available in various colours.
- 0.1 N Hcl 2 hr resistant.

Sr No.	Product	Strength	Suitable Dosage Form	Dose	Reference Product	API:DMF; Dossier-CTD
1	DABIGATRAN ETEXILATE W/W PELLETS	40.0%, 50%	Capsules	75mg, 110mg, 110mg, 150mg	PARADAXA [®]	Available
2	ESOMEPRAZOLE EC PELLETS	15.0%, 27.10%	Capsules	20mg, 40mg	NEXIUM	Available
3	ESOMEPRAZOLE MICROPELLETS (MUPS)	22.5%, 8.5%	Tablets / Sachets	10mg, 20mg, 40mg	NEXIUM	Available
4	LANSOPRAZOLE MUPS & PELLETS	12.5%	ODT Tablets & Capsules	30mg	Prevacid	Available
5	LANSOPRAZOLE PELLETS	8.5%	Capsules	15mg	Prevacid	Available
6	OMEPRAZOLE PELLETS	15.0%, 20%, 8.5%	Capsules	20mg, 40mg	Dr. Reddy's UK	Available
7	PANTOPRAZOLE PELLETS	15%, 22%, 8.5%	Capsules	20mg, 40mg	Actavis UK	Available
8	RABEPRAZOLE PELLETS	15%, 22.5%, 8.5%	Capsules	10mg, 20mg, 40mg	Milpharm Ltd.	Available
9	ASPIRIN EC PELLETS	45%, 60%	Capsules	75mg	DURLAZA	Available
10	DULOXETINE HYDROCHLORIDE EC PELLETS	13.2%, 12%, 20%	Capsules	20mg	CYMBALTA [®]	Available
11	OMEPRAZOLE PELLETS	22.5%	Capsules	20mg	GENERIC	Available
12	Dipyridamole pellet	42.50%	Capsules			

ENZYME PELLETS (Capsules / Tablets)

Sr No.	Product	Strength	Particle Size	DMF Documentation
1	Papain	50%	14/20#, 20/40#	✓
2	Pancreatin 10,000 Lipase for 250mg Capsule	95%	14/20#, 20/40#	✓
3	Pancreatin 25,000 Lipase for 550mg Capsule	95%	14/20#, 20/40#	✓
4	Pancreatin 40,000 Lipase for 750mg Capsule	95%	14/20#, 20/40#	✓





IMMEDIATE RELEASE PELLETS



Advantage

- Improved compliance/added convenience
- · Improved stability.
- Suitable for controlled/sustained release actives
- Improved solubility of the pharmaceutical composition.
- Ability to provide advantages of liquid medication in the form of solid preparation.
- · Pleasing mouth feel, Cost- effective.

Features

- Rapid dissolution and absorption of drug, which may produce rapid onset of action.
- Only approved synthetic and natural colors used.
- The process is performed with Spherodizer and extruder.
- Extremely round pellets with different sizes can be produced.
- Pellets are evaluated for assay/drug content, water content, acid resistance and dissolution rate.
- · Immediate release stomach acid.

- Decreased disintegration and dissolution times for immediate release oral dosage forms.
- · Allows high drug loading.
- Packaging in 5 Kg, 25 Kg, 50 Kg drums and 30 Kg in aluminum cartons.

Sr No.	Product	Strength	Suitable Dosage Form	Dose	Reference Product	API:DMF; Dossier-CTD
1	APREPITANT PELLETS	43%	Capsules	40mg, 80mg, 125mg	EMEND	Available
2	FLUCONAZOLE PELLETS	20%, 60%, 25%	Capsules	50mg, 150mg, 200mg	Diflucan [®]	Available
3	ITRACONAZOLE PELLETS	20%,22%,30%,35.0%	Capsules	100mg, 200mg	SPORANOX [®]	Available
4	FLUOXETINE PELLETS	8%, 33.54%	Capsules	10mg, 20mg	Prozac	Available
5	PREGABALIN AND METHYLCOBALAMIN BLENDED PELLETS	25%, 1.5%	Capsules	50mg / 0.75mcg	Generic	Available
6	PREGABALIN PELLETS	25%, 75%	Capsules	50mg, 75mg, 150mg	Lyrica	Available
7	GABAPENTIN PELLETS	50%, 75%	Capsules	100mg, 300mg, 400mg	Actavis - UK	Available
8	ORLISTAT PELLETS	50%	Capsules	60mg, 120mg	Xenical	Available
9	MEBEVERINE HCL IR PELLETS	40.0%	Capsules	100mg	Colofac [®]	Available
10	DUTASTERIDE PELLETS	0.25%, 0.5%	Capsules	0.5mg	Avodart	Available
11	FENOFIBRATE PELLETS	66%	Capsules	150mg, 200mg	Lipofen	Available
12	AMBROXOL PELLETS	60.0%	Capsules	75mg	Ambrox [®]	Available
13	INDOMETHACIN PELLETS	10%	Capsules	75mg	INDOCIN	Available





COMBOSPHERES®



Features

- · Combospheres offer greater flexibility and design development.
- · Both hydrophilic and hydrophobic drug can be encapsulated.
- Extremely round pellets with different sizes can be produced.

 • Various stable combination.

Advantage

- Controlled release, gastro-resistant, sustained release drug delivery finds greater advantages.
- · Combospheres shows synergistic effects.
- · It shows good therapeautic efficacy.

Benefits

- Increased medication compliance.
- Reduced side effects and cost.
- Packaging in 5 Kg, 25 Kg, 50 Kg drums and 30 Kg in aluminum cartons.

Sr No.	Product	Strength	Suitable Dosage Form	Dose	Reference Product	API:DMF; Dossier-CTD
1	Rabeprazole + Domperidone blended pellets	7.14%, 10.71%	Capsules	20mg + 30mg SR	GENERIC	Available
2	Pantoprazole + Domperidone blended pellets	14.29%, 10.71%	Capsules	40mg + 30mg SR	GENERIC	Available
3	Propranolol HCL SR+ Flunarizine blended pellets	20%, 10%, 26%	Capsules	40mg SR + 5mg, 10mg	GENERIC	Available

PROBIOTICS & PREBIOTICS BEADLETS

(Temperature Sensitive)

Sr No.	Product	Strength	Particle Size	DMF Documentation
1	Prebiotics + Probiotics Delayed Release Beadlets	20 billion	14/20#, 16/20#, 20/40#	✓
2	Probiotic Beadlets	1/2 billion	14/20#, 16/20#, 20/40#	✓
3	Probiotic Supplement	10 billion	14/20#, 16/20#, 20/40#	✓





FLOATING PELLETS



according to customer's need.

extruder.

• Two years shelf life.

- Advantage
 Enhanced bioavalability.
- Floating pellets float on the solution for prolonged period of time.
- Useful in pharmaceutical and nutraceutical formulations.
- Can be pharmaceutical / nutraceutical beverage drinks.

Benefits

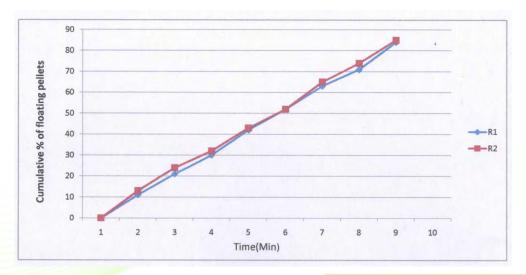
Float on the suitable liquid media (Stomach acid).

• Different shapes and sizes can be produced

Only approved synthetic and natural colors used.
The process is performed with spherodizer and

- Packaging in 5 Kg, 25 Kg, 50 Kg drums and 30 Kg in aluminum cartons.
- Available in various colours.
- Better patient compliance.

Sr No.	Product	Strength	Suitable Dosage Form	Dose	Reference Product	API:DMF; Dossier-CTD
1	Ziprasidone Floating Pellets	35%	Capsules			Available
2	Cepholexin Floating Pellets	50%	Capsules			Available
3	Glipizide Floating Pellets	50%	Capsules			Available
4	Nizatidine Floating Pellets	50%	Capsules			Available
5	Branch Chain Amino Acid Pellets 45% w/w	45%	Capsules			Available
6	L - Leucine pellets 45 % w/w	45%	Capsules			Available
7	L - Glutamine pellets 45%w/w	45%	Capsules			Available
8	Caffeine pellets	45%	Capsules			Available







MULTIPLE UNIT PELLET SYSTEM



Advantage

- Less irritation of gastro-intestinal tract.
- Lesser dose dumping due to encapsulation.
- Reduce peak plasma fluctuation.
- EC, SR, formulatoin can be done.

Features

- Multi unit pellets more stable plasma profile.
- Pellets are in different size that allow their aincorporation in different dosage form.
- Both hydrophobic and hydrophilic actives can be incorporated.
- Cellulose based spheres so they can be stable during tablet compression

- MUPS regulate the drug delivery to improve the quality of therapy.
- Packaging in 5 Kg, 25 Kg, 50 Kg drums and 30 Kg in aluminum cartons.

Sr No.	Product	Strength	Suitable Dosage Form	Dose	Reference Product	API:DMF; Dossier-CTD
1	Omeprazole EC Mups	25%	Capsules			Available
2	Esomeprazole EC Mups	22.50%	Capsules			Available
3	Aspirin EC Mups	60%	Capsules			Available
4	Lansoprazole EC Mups	13%	Capsules			Available
5	Pancreatin EC Mups	60%	Capsules			Available
6	Duloxetine EC Mups	13.20%	Capsules			Available
7	Diclofenac Sodium EC Mups	50%	Capsules			Available
8	Tolperisone HCL EC Mups	60%	Capsules			Available
9	Caffeine SR Mups	50%	Capsules			Available
10	Vitamin-C SR Mups	50%	Capsules			Available
11	Diclofenac Sodium SR Mups	50%	Capsules			Available
12	Itopride HCL SR Mups	60%	Capsules			Available
13	Venlafaxine SR Mups	40%	Capsules			Available
14	Domperidone SR Mups	40%	Capsules			Available
15	Ketoprofen SR Mups	60%	Capsules			Available
16	Metformin SR Mups	75%	Capsules			Available
17	Ibuprofen SR Mups	50%	Capsules			Available
18	Mebeverine SR Mups	50%	Capsules			Available
19	Diltiazem HCL SR Mups	60%	Capsules			Available
20	Caffeine IR Mups	50%	Capsules			Available
21	Vitamin-C IR Mups	50%	Capsules			Available





ORASTRIPS®



Advantage

- Consumer can take the product without need for additional liquid.
- Directly absorbed into systemic circulation.
- No risk of chocking, Convenient dosing.
- Artificial sweetener added.

Features

- Orostrips Thin and Elegant.
- Shows fast disintegration and dissolution within oral cavity.
- Dose accuracy is good.

Benefits

- Increase patient compliance.
- · Enhanced stability.
- Taste masking of obnoxious drug.

Sr No.	Product	Strength	Suitable Dosage Form	Dose	Reference Product	API:DMF; Dossier-CTD
1	Tadalafil MDF	10 MG, 20 MG				Available
2	Sildenafil Citrate MDF	50 MG, 100 MG				Available
3	Ondansetron MDF	2 MG, 4 MG				Available
4	Montelukast MDF	10 MG				Available
5	Caffeine MDF	50 MG				Available

NUTRASTRIPS®

Sr No.	Product	Strength	Suitable Dosage Form	Dose	Reference Product	API:DMF; Dossier-CTD
1	Caffeine MDF	50 MG				Available
2	Folic Acid MDF	5 MG				Available
3	Vitamin D3 MDF	60000 IU				Available
4	Vitamin Blended MDF	100 MG				Available
5	Menthol MDF	2.5 MG				Available





SPRAYSPHERES®

NEUTRAL PELLETS



Advantage

- The neutral pellets can be used as simple diluents in encapsulation or tableting, they can be coated and loaded with drug substances and imparted with modified release characteristics.
- Minimum humidity content.
- · Low friability.

Features

- Inert microgranules based on sucrose and corn starch.
- Only approved synthetic and natural colors used.
- The process is performed with Spherodizer and extruder.
- Extremely round pellets with different sizes can be produced.
- Pellets are evaluated for assay/drug content, water content, acid resistance and dissolution rate.
- Three years shelf life.

Benefits

- Used in the form of a core in sustained and controlled release formulation in solid oral-dosage forms.
- Packaging in 5 Kg, 25 Kg, 50 Kg drums and 30 Kg in aluminum cartons.
- Various particle sizes for the manufacturer.

Ready to fill Neutral Pellets made from our equipments.

Sprayspheres Sugar Pellets

Sugar Pellets are neutral pellets made of sucrose and starch. The almost spherical cores are used as nutral basis for drug layering.

Mesh Size (ASTM)	Diameter In mm	Mesh Size (ASTM)	Diameter In mm	Mesh Size (ASTM)	Diameter In mm
SS 120 - 140#	0.106 - 0.125	SS 40 - 50#	0.300 - 0.425	SS 20 - 25#	0.710 - 0.850
SS 100 - 120#	0.125 - 0.150	SS 40 - 45#	0.355 - 0.425	SS 18 - 20#	0.850 - 1.000
SS 80 - 100#	0.150 - 0.180	SS 35 - 55#	0.355 - 0.500	SS 16 - 20#	0.850 - 1.180
SS 70 - 80#	0.180 - 0.212	SS 35 - 50#	0.300 - 0.500	SS 16 - 18#	1.000 - 1.180
SS 60 - 70#	0.212 - 0.250	SS 35 - 45#	0.400 - 0.450	SS 14 - 16#	1.180 - 1.400
SS 50 - 60#	0.250 - 0.300	SS 35 - 40#	0.425 - 0.500	SS 12 - 16#	1.400 - 1.700
SS 45 - 50#	0.300 - 0.355	SS 30 - 35#	0.500 - 0.600	SS 12 - 14#	1.400 - 1.700
SS 45 - 60#	0.250 - 0.355	SS 25 - 30#	0.600 - 0.710	SS 10 - 12#	1.700 - 2.000
SS 40 - 60#	0.250 - 0.425				

Sprayspheres Starch Pellets

Used as spherical seed cores for drug layering & film coating. Also used in manufacture of granules / beadlets with sustained / controlled release, taste masking & other special properties.

Mesh Size (ASTM)	Diameter In mm	Mesh Size (ASTM)	Diameter In mm	Mesh Size (ASTM)	Diameter In mm
STS 12 - 14#	1.400 - 1.700	STS 30 - 40#	0.425 - 0.600	STS 60 - 80#	0.180 - 0.250
STS 16 - 18#	1.000 - 1.180	STS 40 - 50#	0.300 - 0.425	STS 80 - 100#	0.150 - 0.180
STS 18 - 20#	0.850 - 1.000	STS 50 - 60#	0.250 - 0.300	STS 100 - 200#	0.075 - 0.150
STS 20 - 30#	0.600 - 0.850				





SPRAYSPHERES®

NEUTRAL PELLETS

Sprayspheres MCC Pellets

As a neutral starter core and optimal carrier for multiparticipate controlled release formulation by layering and coating. Highly spherical, high mechanical strength with low friability.

Grade	Particle Size Range (µm)	Grade	Particle Size Range (µm)	Grade	Particle Size Range (µm)
MS - 100	75 - 212	MS - 203	150 - 300	SMS - 507	500 - 710
MS - 102	106 - 212	MS - 305	300 - 500	MS - 708	710 - 850

Sprayspheres Calcium Carbonate Pellets

These pellets are highly spherical particles optimized for coating and layering process to achieve reproducible product characteristic. In extended release formulation this pellets can be integrated to reduce the pH dependency of the drug release therefore achieve desired dissolution profile.

Grade	Particle Size Range (µm)	Grade	Particle Size Range (µm)	Grade	Particle Size Range (µm)
MS - 100	75 - 212	MS - 203	150 - 300	SMS - 507	500 - 710
MS - 102	106 - 212	MS - 305	300 - 500	MS - 708	710 - 850

Ready to fill Neutral Pellets made from our equipments.

Sprayspheres Tartaric Acid Pellets

These profile are highly spherical particles optimized for coating and layering process to achieve reproducible product characteristic in extended release formulation this pellets can be integrated to reduce the pH dependency of the drug release therefore achieve desired dissolution profile.

Particle Size Ra (µm)	ange Diameter In mm	Particle Size Ra (µm)	nnge Diameter In mm	Particle Size Rar (µm)	nge Diameter In mm
TS 20 - 30#	0.600 - 0.850	TS 50 - 60#	0.250 - 0.300	TS 60 - 80#	0.150 - 0.180
TS 30 - 40#	0.425 - 0.600	TS 50 - 60#	0.180 - 0.250	TS 100 - 200#	0.075 - 0.150
TS 40 - 50#	0 300 - 0 425				

Sprayspheres Mannitol Pellets

As a water soluble starter cores for drug layering and coating in the formulation of pellets system be it for immediate or sustained release.

Mesh Size (ASTM) Diame	eter In mm Mesh Size (A	STM) Diameter In mm	Mesh Size (ASTM)	Diameter In mm
MAS 18 - 20# 0.850	- 1.000 MAS 40 - 50#	£ 0.300 - 0.425	MAS 80 - 100#	0.150 - 0.180
MAS 20 - 30# 0.600	- 0.850 MAS 50 - 60#	0.250 - 0.300	MAS 100 - 200#	0.075 - 0.150
MAS 30 - 40# 0.425	- 0.600 MAS 60 - 80#	0.180 - 0.250		

Sprayspheres Silica Pellets

Mainly used as core for drug loading of insoluble and in stable drug. Also used in MUPS technology.

Grade	Particle Size Range (µm)	Grade	Particle Size Range (µm)	Grade	Particle Size Range (µm)
AS - 100	75 - 212	AS - 203	150 - 300	AS - 507	500 - 710
AS - 102	106 - 212	AS - 305	300 - 500	AS - 708	710 - 850





SPRAYSPHERES®

NEUTRAL PELLETS



Sprayspheres Lactose Pellets

Used as spherical seed cores for drug layering & film coating. Also used in manufacture of granules / beadlets with sustained / controlled release, taste masking and other special properties.

Mesh Size (ASTM)	Diameter In mm	Mesh Size (ASTM)	Diameter In mm	Mesh Size (ASTM)	Diameter In mm
LS 18 - 20#	0.850 - 1.000	LS 40 - 50#	0.300 - 0.425	LS 80 - 100#	0.150 - 0.180
LS 20 - 30#	0.600 - 0.850	LS 50 - 60#	0.250 - 0.300	LS 100 - 200#	0.075 - 0.150
LS 30 - 40#	0.425 - 0.600	LS 60 - 80#	0.180 - 0.250		

Sprayspheres Lactose + MCC Pellets

Used as spherical seed cores for drug layering & film coating. Also used in manufacture of granules / beadlets with sustained / controlled release, taste masking and other special properties.

Mesh Size (ASTM)	Diameter In mm	Mesh Size (ASTM)	Diameter In mm	Mesh Size (ASTM)	Diameter In mm
LM 18 - 20#	0.850 - 1.000	LM 40 - 50#	0.300 - 0.425	LM 80 - 100#	0.150 - 0.180
LM 20 - 30#	0.600 - 0.850	LM 50 - 60#	0.250 - 0.300	LM 100 - 200#	0.075 - 0.150
LM 30 - 40#	0.425 - 0.600	LM 60 - 80#	0.180 - 0.250		

Ready to fill Neutral Pellets made from our equipments.

Sprayspheres Citric Acid Pellets

Mesh Size (ASTM)	Diameter In mm	Mesh Size (ASTM)	Diameter In mm	Mesh Size (ASTM)	Diameter In mm
STS 12 - 14#	1.400 - 1.700	STS 18 - 20#	0.850 - 1.000	STS 30 - 40#	0.425 - 0.600
STS 16 - 18#	1.000 - 1.180	STS 20 - 30#	0.600 - 0.850	STS 40 - 50#	0.300 - 0.425





TECHNOLOGY TRANSFER & EQUIPMENTS SUSTAINED RELEASE PELLETS



Advantage

- Uniform release of drug substance over time.
- · Reduction in frequency of intakes.
- Reduced adverse side effects.
- Taste masking problem is also solved.
- Better patient compliance.
- More stable and cost effective.

Features

- Spherical shape and smooth surface.
- Extremely round pellets with different sizes can be produced.
- The process is performed with spherodizer and extruder.
- Only approved synthetic and natural colors used.
- Pellets are evaluated for assay/ drug content, water content, acid resistance and dissolution rate.
- · Two years shelf life.

- Prolonged therapeutic effect by continuously releasing medication over an extended period of time after administration of a single dose of the drua.
- Pellets flow freely and are easy to pack without significant difficulties (resulting in uniform and reproducible fill weight of capsules).
- Pellets are less susceptible to dose dumping.
- It reduces accumulation of drugs especially proven advantageous in the case of irritating drugs.

Sr No.	Product	Strength	Particle Size	Therapeutic Uses
1	Diclofenac sodium SR Pellets	50%	14/20#	NSAID
2	Diclofenac Potassium SR Pellets	50%	14/20#	NSAID
3	Diltiazem SR Pellets	80% & 50%	14/20#	Anti-Hypertensive
4	Itopride SR Pellets	50% & 60%	16/20#	Gastric-prokinetic
5	Propanol SR Pellets	40%	14/20#	Anti-Hypertensive
6	Venalafaxine SR Pellets	40%	14/20#	Anti Depressant
7	Mebeverine SR Pellets	50%	14/20#	Anti Spasmodic
8	Theophylline SR Pellets	50%	14/20#	Cold,Cough & Respiratory
9	Nitroglycerin SR Pellets	1.6%, 2.1% & 2.5%	18/30#	Anti-Hypertensive
10	Tamsulosin SR Pellets	0.2% & 0.16% & 0.20%	16/20#	BPH
11	Domperidone SR Pellets	40%	14/20#	Anti-Emetics
12	Gliclazide SR Pellets	25%	14/20#, 16/20#	Type 2 diabetes
13	Ketoprofen SR Pellets	60% & 65%	14/20#, 16/20#	Anti-Inflammatory
14	Metformin SR Pellets	75%	14/20#, 16/20#	Anti-diabetic
15	Ibuprofen SR Pellets	85% & 85.6%	14/20#	Anti-Inflammatory





TECHNOLOGY TRANSFER & EQUIPMENTS SUSTAINED RELEASE PELLETS



Advantage

- Uniform release of drug substance over time.
- · Reduction in frequency of intakes.
- Reduced adverse side effects.
- Taste masking problem is also solved.
- Better patient compliance
- · More stable and cost effective.
- · Product 3 batches.

Features

- Spherical shape and smooth surface.
- Extremely round pellets with different sizes can be produced.
- The process is performed with spherodizer and extruder.
- Only approved synthetic and natural colors used.
- Pellets are evaluated for assay/ drug content, water content, acid resistance and dissolution rate.
- · Two years shelf life.
- Technology tranfer stability DMF Dossage

- Prolonged therapeutic effect by continuously releasing medication over an extended period of time after administration of a single dose of the drug.
- Pellets flow freely and are easy to pack without significant difficulties (resulting in uniform and reproducible fill weight of capsules).
- Pellets are less susceptible to dose dumping.
- It reduces accumulation of drugs especially proven advantageous in the case of irritating drugs.

Sr No.	Product	Strength	Particle Size	Therapeutic Uses
17	Tolterodine L-Tartrate SR Pellets	2%	14/20#	Anti-BPH
18	Tramadol SR Pellets	0.75% / 1.5% & 2.1%	16/20#	Urinary Antispasmodic
19	Trimetazidine SR Pellets	60%	14/20#	Analgesic
20	Tizanidine SR Pellets	35%	14/20#	Anti-Hyper Liporotienemics
21	Ambroxol SR Pellets	4%	14/20#	Anti-Inflammatory
22	Sabutamol Sulphate SR Pellets	25%	14/20#	Cold, Cough & Respiratory
23	Tolperisone HCL SR Pellets	8%	14/20#	Cold, Cough & Respiratory
24	CPM SR Pellets	50%	30/60#	Muscle Relaxant/Pain
25	Levosulpiride SR Pellets	8%	16/20#	Cold, Cough & Respiratory Use
26	Indomethacin SR Pellets	50%	14/20#	Anxiety Disorders
27	Ascorbic Acid SR Pellets	50%	14/20#	NSAID
28	Aceclofenac SR Pellets	50%	14/20#	Vitamin-C
29	Ambroxol SR Pellets	50%	16/20#	NSAID
30	Nifedipine SR Pellets	50%	14/20#	Respiratory Diseases
31	Mosapride SR Pellets	30%	16/20#	Anti-Hypertensive
32	Allopurinol SR Pellets	12.50%	14/20#	Gastroprokinetic
33	Cyclobenzaprine SR Pellets	30%	14/20#, 16/20#	Anti-gout
34	Metaprolol Succinate SR Pellets	10% & 22 %	14/20#, 16/20#	Muscle Relaxant
35	Iterodine SR Pellets	66%	14/20#	Anti-Hypertensive





TECHNOLOGY TRANSFER & EQUIPMENTS IMMEDIATE RELEASE PELLETS



Advantage

- Improved compliance/added convenience.
- Improved stability.
- Suitable for controlled/sustained release actives
- Improved solubility of the pharmaceutical composition.
- Ability to provide advantages of liquid medication in the form of solid preparation.
- Pleasing mouth feel, Cost-effective.

Features

- Rapid dissolution and absorption of drug, which may produce rapid onset of action.
- Only approved synthetic and natural colors used.
- The process is performed with Spherodizer and extruder.
- Extremely round pellets with different sizes can be produced.
- Pellets are evaluated for assay/drug content, water content, acid resistance and dissolution rate.

- Decreased disintegration and dissolution times for immediate release oral dosage forms.
- Allows high drug loading.
- Packaging in 5 Kg, 25 Kg, 50 Kg drums and 30 Kg in aluminum cartons.

Sr No.	Product	Strength	Particle Size	Therapeutic Uses
1	Aspirin IR Pellets	50%	16/20#, 14/20#	NSAID
2	Atorvastatin IR Pellets	50%	14/20#	Ant-Hyper Liporotienemics
3	Caffeine IR Pellets	50%	16/20#, 14/20#	CNS Stimulant
4	Carbonyl Iron IR Pellets	50%	16/20#, 14/20#	Vitamin's & Iron
5	Citirizine HCL IR Pellets	3.50%	14/20#	Antihistamine
6	Clopidogrel IR Pellets	50%	14/20#	Anti Coagulants
7	CPM+Phenylephrine IR Pellets	8MG + 25MG	14/20#	Antihistamine
8	Diclofenac Sodium IR Pellets	50%	14/20#, 16/20#	NSAID
9	Didanosine IR Pellets	50%	14/20#, 16/20#	Anti-HIV
10	Domperidone IR Pellets	20%	14/20#, 16/20#	Anti-Emetic
11	Dutasteride IR Pellets	0.63%	14/20#, 16/20#	Benign Prostatic Hyperplacia
12	Ezetimibe IR Pellets	10% & 20%	16/20#	Lipid Lowering Agent
13	Fenofibrate IR Pellets	66%	14/20#	Anti-Cholinergic
14	Fluconazole IR Pellets	41.60%	14/20#	Anti-Fungal
15	Itraconazole IR Pellets	22%	14/20#	Anti-Fungal
16	Loratidine IR Pellets	5%	16/20#	Anti-Histamine





TECHNOLOGY TRANSFER & EQUIPMENTS IMMEDIATE RELEASE PELLETS



Advantage

- Improved compliance/added convenience.
- · Improved stability.
- Suitable for controlled/sustained release actives
- Improved solubility of the pharmaceutical composition.
- Ability to provide advantages of liquid medication in the form of solid preparation.
- Pleasing mouth feel, Cost- effective.

Features

- Rapid dissolution and absorption of drug, which may produce rapid onset of action.
- Only approved synthetic and natural colors used.
- The process is performed with Spherodizer and extruder.
- Extremely round pellets with different sizes can be produced.
- Pellets are evaluated for assay/drug content, water content, acid resistance and dissolution rate.

- Decreased disintegration and dissolution times for immediate release oral dosage forms.
- Allows high drug loading.
- Packaging in 5 Kg, 25 Kg, 50 Kg drums and 30 Kg in aluminum cartons.

Sr No.	Product	Strength	Particle Size	Therapeutic Uses
17	Methyl Cobalamin IR Pellets	3%	16/20#	Multivitamin
18	Montelukast Sodium IR Pellets	5%	16/20#	Leukotriene Receptor Antagonist
19	Orlistat IR Pellets	50%	14/20#	Anti-Obesity
20	Piroxicam IR Pellets	9% & 10%	14/20#	NSAID
21	Rosuvastatin Calcium IR Pellets	10%	14/20#	Anti-Hyper Liporotienemics
22	Salbutamol IR Pellets	10%	16/20#	Anti-Histamine
23	Dabigatran Etexilate Mesylate IR Pellets	44%	16/20#	Anti Coagulant
24	Levocetirizine Dihydrochloric IR Pellets	5%	16/20#	Antihistamine
25	Folic Acid IR Pellets	3%, 5%	16/20#, 60/100#	Anti Anaemic
26	Tacrolimus IR Pellets	1%	16/20#	Immune Suppressant
27	Dutasteride IR Pellets	0.25% & 0.5%	16/20#	ВРН
28	Fenofibrate IR Pellets	50%	14/20#, 16/20#	Lipid Lowering Agent
29	Mebeverine IR Pellets	50%	14/20#, 16/20#	Anti-Spasmodic
30	Aprepitant IR Pellets	35%, 40%	14/20#, 16/20#	Antiemetic
31	Celecoxib IR Pellets	50%	14/20#, 16/20#	NSAID
32	Everolimus IR Pellets	10%	14/20#, 16/20#	Breast Cancer
33	Tartaric Acid IR Pellets	95%	16/20#, 20/30#	
34	Tramadol IR Pellets	60%	14/20#, 16/20#	Analgesic
35	Metformin IR Pellets	50%	14/20#, 16/20#	Anti-Diabetic





TECHNOLOGY TRANSFER & EQUIPMENTS ENTERIC COATED PELLETS



Advantage

- Avoidance of high local concentration.
- Useful for the drugs which are unstable at the pH of gastric acid and need to be protected from degradation.
- Facilitate gastrointestinal transit for drugs that are better absorbed from intestine
- Combination of different release rates of the same drug in a single dosage form.

Features

- Protect the drug from gastric fluids, to reduce gastric distress caused by drugs particularly irritating to the stomach.
- Spherical pellets with smooth surface.
- Extremely round pellets with different sizes can be produced.
- The process is performed with Spherodizer and extruder.
- · Only approved synthetic and natural colors used.
- Pellets are evaluated for assay/drug content, water content, acid resistance and dissolution rate.

- Flexibility in dosage form design and development.
- Packaging in 5 Kg, 25 Kg, 50 Kg drums and 30 Kg in aluminum cartons.
- Available in various colours.

Sr No.	Product	Strength	Particle Size	Therapeutic Uses
1	Aspirin EC Pellets	30%, 43%, 50% & 65%	16/20#, 14/20#	NSAID
2	Diclofenac Sodium EC Pellets	30%, 40% & 50%	14/20#	Analgesic
3	Duloxetine EC Pellets	13.20%	14/20#	Anti-Depressant
4	Erythromycin Stearate EC Pellets	52%	16/20#	Antibiotic
5	Esomeprazole EC Pellets	8.5% & 22.5%	16/20#	Antihistamine
6	Fluconazole EC Pellets	40%	14/20#	Anti-Infective
7	Lansoprazole EC Pellets	7.5%, 8.5% & 11.5%	14/20#, 16/20#	Anti-Ulcerative
8	Omeprazole EC Pellets	7.5%, 8.5% & 11.5%	14/20#, 16/20#	Anti-Ulcerative
9	Pantoprazole EC Pellets	20%	14/20#, 16/20#	Anti-Ulcerative
10	Rabeprazole EC Pellets	11.5%, 15% & 20%	14/20#, 16/20#	Anti-Ulcerative
11	Dexlansoprazole EC Pellets	22%	16/20#	Anti-Ulcerative
12	Pancreatin EC Pellets	10,000, 25,000, 40,000	14/20#, & 30/60#	Digestant
13	Esomeprazole Mg EC Pellets	8.5%, 11.5% & 22.5%	16/20#	Anti-Ulceratives
14	Diclofenac Potassium EC Pellets	30% & 40%	14/20#, 16/20#	NSAID
15	Dexrabeprazole EC Pellets	6.30%	16/20#	Anti-Ulceratives
16	Fluoxetine EC Pellets	35% & 50%	14/20#	AntiDepressant





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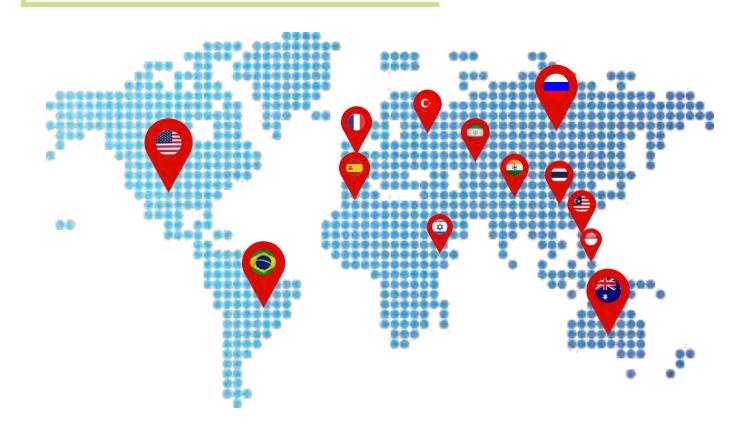








GLOBAL PRESENCE



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