

Acyclovir Water-Dispersible Tablets (800 mg)

Bill of Materials			
Scale (mg/tablet)	Item	Material Name	Quantity/1000 Tablets (g)
800.00	1	Acyclovir	800.00
100.00	2	Microcrystalline cellulose (Avicel PH 101)	100.00
53.00	3	Veegum F	53.00
42.00	4	Sodium starch gluconate 42.00	42.00
9.40	5	Magnesium stearate	9.40
–	6	Alcohol	QS

Manufacturing Directions

1. Pass items 1 to 4 through 250- μ m mesh into a granulating vessel.
2. Add a sufficient quantity of item 6 to make a wet mass. Pass it through a granulator, dry, and then pass through a #11 sieve.
3. Pass item 5 through a 250- μ m sieve and add to step 2.
4. Compress into 1004-mg tablets, using a suitable punch.

Albendazole Tablets (200 mg)

Bill of Materials			
Scale (mg/tablet)	Item	Material Name	Quantity/1000 Tablets (g)
200.00	1	Albendazole	200.00
84.00	2	Starch (maize)	84.00
101.25	3	Lactose monohydrate	101.25
5.00	4	Sodium starch glycolate (Primojel)	5.00
13.00	5	Povidone (PVP K-30)	13.00
5.00	6	Saccharin sodium	5.00
1.00	7	Polysorbate 80 (Tween 80)	1.00
110.00	8	Microcrystalline cellulose (Avicel PH 102)	110.00
50.00	9	Sodium starch glycolate (Primojel)	50.00
5.00	10	Vanilla dry flavor	5.00
5.00	11	Blood orange dry flavor	5.00
4.00	12	Stearic acid	4.00
2.00	13	Magnesium stearate	2.00
2.75	14	Colloidal silicon dioxide (Aerosil 200)	2.75
2.00	15	Sodium lauryl sulfate	2.00
–	16	Alcohol (ethanol 95%)	105.00
–	17	Purified water	73.33

Manufacturing Directions

Note: Avoid overmixing the lubricants, or otherwise, hardness will be reduced.

1. Dissolve item 7 in item 16 by spatula. Dissolve items 5 and 6 in item 17 by stirring with a stirrer. Add item 7 (Tween-80) solution in items 5 and 6 (PVP-saccharin) solutions, while mixing with a stirrer.
2. Sift items 1 to 4 through a 500- μ m stainless steel sieve. Collect in a polyethylene bag.
3. Load the sifted powder into the mixer. Mix for 2 minutes at low speed.
4. Add the binding solution from steps 1 and 2, while mixing at low speed over a period of 2 minutes. Scrape the sides and blades of the mixer. Mix and chop at low speed for 2 minutes. Check the end point of granulation. If required, add item 17 to get the end point. (The end point of the granulation is the point when the wet mass consists of little or no lumps of granules.) Unload the wet mass on stainless steel trays to dry.
5. Dry the wet granules in an oven at 55°C for 10 hours. After 2 hours of drying, scrape the semidried granules to break the lumps for uniform drying.
6. Check the LOD. The limit is 1.0% to 1.5%.