

**Aspirin, Acetaminophen, and Caffeine Tablets**

Bill of Materials			
Scale (mg/tablet)	Item	Material Name	Quantity/1000 Tablets (g)
225.00	1	Aspirin (40 mesh)	225.00
250.00	2	Acetaminophen (20 mesh)	250.00
30.00	3	Caffeine (granular)	30.00
100.00	4	Cellulose (microcrystalline) (Avicel™ PH-102)	100.00
45.00	5	Anhydrous lactose	45.00
10.00	6	Croscarmellose sodium (Ac-Di-Sol)	10.00
5.00	7	Fumed silica	5.00
10.00	8	Stearic acid	10.00

**Manufacturing Directions**

- Mix items 1 to 6 in a suitable blender.
- Pass the mixture through a mill, using a 12-mesh screen with knives forward.
- Add items 7 and 8, and blend the milled mixture for 20 minutes in a V-blender.
- Compress to tablet weight of 675 mg.

**Aspirin, Acetaminophen, Caffeine, and Salicylamide Tablets**

Bill of Materials			
Scale (mg/tablet)	Item	Material Name	Quantity/1000 Tablets (g)
200.00	1	Aspirin (40 mesh)	200.00
100.00	2	Salicylamide	100.00
100.00	3	Acetaminophen (40 mesh)	100.00
60.00	4	Caffeine (Granular)	60.00
150.00	5	Cellulose (microcrystalline) (Avicel™ PH101)	150.00
13.00	6	Stearic acid, USP	13.00
3.00	7	Fumed silica	3.00

**Manufacturing Directions**

- Screen all ingredients through a 20-mesh sieve.
- Blend all the ingredients in a V-blender for 20 minutes.
- Compress into 615-mg tablets, using 5/8-in. tooling.

**Aspirin Tablets**

Bill of Materials			
Scale (mg/tablet)	Item	Material Name	Quantity/1000 Tablets (g)
325.00	1	Aspirin	325.00
25.52	2	Starch 1500	25.52
21.33	3	Microcrystalline cellulose (50 um)	21.33
6.33	4	Powdered cellulose	6.33

**Manufacturing Directions**

- Blend in a twin-shell blender.
- Compress into 378.00-mg tablets.

**Atenolol Tablet**

Formulation: Atenolol, 100.00 mg; citric acid (anhydrous), 4.00 mg; microcrystalline cellulose, 169.00 mg; sodium starch glycollate, 3.00 mg; magnesium stearate, 4.00 mg. Total 280.00 mg.

**Manufacturing Directions**

- Citric acid is dissolved in purified water to provide a 20% citric acid solution.
- Atenolol is granulated with this solution in a planetary mixer and the resultant granules were dried in a tray dryer to less than 3% by weight loss on drying.
- The atenolol/citric acid premixture is hammer milled and blended with the other excipients. This material is compressed into 280-mg tablets.