

**Cetylpyridinium Lozenges (2.5 mg)**

Formulation: Cetylpyridinium chloride (Merck), 2.5 g; Ludi-press LCE [1], 370.0 g; polyethylene glycol 6000, powder, 20.0 g; menthol, crystalline, 6.0 g; aspartame, potassium (Searle), 1.5 g.

**Manufacturing Directions**

1. Mix all components, and pass through a 0.8-mm sieve.
2. Press with low-compression force at 402 mg.

**Charcoal Tablets**

Bill of Materials			
Scale (mg/tablet)	Item	Material Name	Quantity/1000 Tablets (g)
250.00	1	Activated charcoal	250.00
150.00	2	Bolus alba (Merck)	150.00
28.00	3	Kollidon® 25	28.00
38.00	4	Acacia gum	38.00
QS	5	Water + isopropanol (10 + 3)	575.00 mL
15.00	6	Cremophor EL	15.00
QS	7	Isopropanol	300.00 mL

**Manufacturing Directions**

1. Granulate mixture of items 1 to 4 with item 5, and pass through a 1-mm sieve.
2. Dry until a relative powder humidity of 90% is reached.
3. Add solution of items 6 and 7, and pass again through a 0.8-mm sieve.

4. Dry the granules, and press into 481-mg tablets using low-compression force and 12-mm planar punches.
5. Dry the obtained tablets.

**Chlorcyclizine Hydrochloride Tablets (50 mg)**

Bill of Materials			
Scale (mg/tablet)	Item	Material Name	Quantity/1000 Tablets (g)
50.00	1	Chlorcyclizine hydrochloride	50.00
109.75	2	Lactose monohydrate	109.75
4.28	3	Povidone (K 29-32)	4.28
11.30	4	Alcohol ethanol 190 proof	11.30
QS	5	Water, purified	QS
95.71	6	Starch (corn)	95.71
6.21	7	Talc	6.21
2.60	8	Magnesium stearate	2.60

**Manufacturing Directions**

1. Charge chlorcyclizine hydrochloride, lactose, and povidone into a mass mixer. Mix well.
2. Add alcohol (diluted with an equal weight of purified water) and QS to mass.
3. Granulate through a 15.88-mm aperture or similar.
4. Dry at 41°C to less than 1% LOD (1 hour Bra-bender or equivalent at 105°C).

5. Sift and grind through a 1.19-mm aperture or similar screen.
6. Lubricate by adding cornstarch (#6), talc, and acid stearic (or magnesium stearate) sifted through a 600-µm aperture or similar.
7. Compress using 7.94-mm standard round convex punches with logo.
8. Coating is optional; use organic coatings, preferably.