

Beta-Carotene, Vitamin C, and Vitamin E Chewable Tablets

Bill of Materials			
Scale (mg/tablet)	Item	Material Name	Quantity/1000 Tablets (g)
10.00	1	Beta-carotene (dry powder, 10%)	100.00
250.00	2	Ascorbic acid (crystalline) (BASF)	250.00
280.00	3	Sodium ascorbate (crystalline)	280.00
500.00	4	Vitamin E acetate (dry powder, SD 50)	500.00
600.00	5	Sorbitol (crystalline)	600.00
500.00	6	Ludipress®	500.00
350.00	7	Fructose	350.00
50.00	8	PEG-6000 (powder)	50.00

Manufacturing Directions

1. Mix all components, pass through a sieve, and press with high-compression force.

2. The 20-mm biplanar tablet has an average weight of 2.6 g.

Beta Carotene + Vitamin C + Vitamin E Chewable Tablets (10 mg + 500 mg + 250 mg)

Formulation: Beta carotene dry powder 10%, 100 g; Ascorbic acid, crystalline (BASF), 250 g; Sodium ascorbate, crystalline, 280 g; Vitamin E acetate dry powder SD 50, 500 g; (BASF) sorbitol, crystalline [10], 600 g; Ludipress, 500 g; fructose, 350 g; polyethylene glycol 6000, powder, 50 g.

Manufacturing Directions

Mix all components, pass through a sieve and press with high-compression force at 2600 mg.

Beta Carotene + Vitamin C + Vitamin E Effervescent Tablets (12 mg + 150 mg + 25 mg)

Formulation: Lucarotene dry powder 10% CWDG/Y (BASF), 120 g; Ascorbic acid, crystalline (BASF), 150 g; Dry vitamin E acetate 50% DC (BASF), 50 g; Ludipress LCE [1], 705 g; Kollidon VA64 [1], 50 g; citric acid, anhydrous, 450 g; sodium bicarbonate, 320 g; polyethylene glycol 6000, powder [10], 75 g; orange flavor (Dragoco), 50 g; aspartame (Searle), 30 g.

Manufacturing Directions

1. Mix all components, and pass through a sieve.
2. Press with high-compression force at a maximum of 30% of relative atmospheric humidity at 2.045 mg.

Beta Carotene + Vitamin C + Vitamin E Tablets (12 mg + 250 mg + 125 mg)

Formulation: Beta Carotene dry powder 10%, 125 g; Ascorbic acid, crystalline (BASF), 125 g; Sodium ascorbate, crystalline (BASF), 141 g; Vitamin E acetate dry powder SD 50, 250 g; (BASF) Ludipress or Sorbitol, crystalline [10], 119 g; Polyethylene glycol 6000, powder [10], 5 g; Orange flavor (FDO), 15 g; Sodium cyclamate, 10 g.

Manufacturing Directions

Mix all components, pass through a sieve, and press with medium-compression force at 790 mg.

Beta Carotene + Vitamin C + Vitamin E Tablets (7 mg + 60 mg + 25 mg)

Formulation: Betavit® dry powder 10% (BASF), 75 g; ascorbic acid, powder (BASF), 60 g; vitamin E acetate dry powder 50%, 50 g; sorbitol, crystalline [10], 240 g; Kollidon CL, 30 g; magnesium stearate, 5 g.

Manufacturing Directions

Pass all components through a 0.8-mm sieve, mix, and then press with low-compression force at 497 mg.