

Product formulation

PH124CT

VITAMIN C CHEWABLE TABLETS USING PEARLITOL® 160 C MANNITOL (WET GRANULATION)

FORMULA

	% (By weight)	mg / tablet
PEARLITOL® 160 C mannitol	60.90	456.70
Sodium ascorbate (granulated)	21.35	160.00
Ascorbic acid (coated)	12.00	90.00
LYCATAB® DSH maltodextrin (in aqueous solution 10 % w/w)	3.14	23.50
Magnesium stearate	2.00	15.00
Orange powder flavour	0.30	2.25
Silica AEROSIL® R972, Degussa	0.30	2.25
Sodium saccharinate	0.04	0.30
		750.00

METHOD

- Introduce in the planetary mixer the PEARLITOL® 160 C mannitol.
- Add in "trickle" the binder solution (LYCATAB® DSH maltodextrin).
- Total time of mixing: 20 minutes.
- Introduce this wet mix in the granulator, equipped with a wire mesh of 1250 µm.
- Dry the granules in a fluidized air bed dryer at 60-70°C for 30 minutes.
- Introduce in the mixer the granules of mannitol and all the others ingredients except the lubricant.
- Mix for 10 minutes.
- Add the Magnesium stearate and mix again for 5 minutes.
- Compress the powder on a single stroke press equipped with round punches of 13 mm diameter.

COMMENT

- Weight: 750 mg
- Thickness: 4.38 mm +/- 0.02
- Density tablet: 1.293
- Schleuniger Hardness: 70 N
- Dosage: 250 mg of vitamine C / 750 mg tablet