

Product formulation

PH134GR

SUGARLESS HOMEOPATHIC GRANULES WITH SweetPearl™ P200

FORMULA

- Composition of the coating syrup (62 % DS – 50°C)

	% (by weight)	Dry substance
SweetPearl™ P200	612.0	98.7
Water	367.8	-
Gum arabic solution at 40 % DS	20.2	1.3
	1 000.0	100.0

METHOD

- Prepare the different fractions of maltitol by sieving SweetPearl™ P200 on 200 µm, 315 µm and 400 µm grids.
- The various fractions are used as follows:
 - < 200 µm for dusting
 - 200 < < 315 µm for syrup preparation
 - 315 < < 400 µm for drageification cores
 - > 400 µm for syrup preparation
- Prepare the coating syrup by dissolving in water the above fractions 200 – 315 µm and > 400 µm, with SweetPearl™ P200 if necessary. Add the gum arabic solution. Reserve at 50°C.
- Put 200 g of cores (fraction 315 – 400 µm) in the rotating coating pan.
- Using a high-pressure sprayer, spray 20 to 25 g of coating syrup at 50°C on the rotating cores.
- Dust with 15 to 20 g of fine maltitol (< 200 µm).
- Air-dry at 45°C for about 10 minutes.
- Repeat these operation several times (10)

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- Progressively increase the quantities of syrup and powder according to the following tables (average quantities)

Quantity of syrup (g)	Quantity of powder (g)	Drying time (min)	Number of cycles	Weight of granules obtained
30	30	10	5	
35	35	10	5	about 1 kg
50	50	10	5	
70	50	10	5	
80	50	10	10	about 2 g
100	80	15	10	
130	100	15	10	4 kg
160	120	15	15	5.5 kg
200	150	15	15	7.0 kg

COMMENT

- The granules obtained are hard and spherical.