

Manufacturing recommendation Natrosol 0.5%

Preparation of 0.5 % Natrosol™ 250 HX PHARM

Ingredients	Quantity	Preparation
purified water	995.0 g	Take a beaker and magnetic stirrer. Weigh the water and heat up to 80°C while stirring.
Natrosol™ 250HX PHARM Fa. Ashland (Hydroxyethylcellulose)	5.0 g	Create a swirl with 500 rpm. Weigh the Natrosol on a watch glass and add gradually into the swirl. Stir for another 30 minutes at 80°C. Let the solution cool down to room temperature while stirring with 250 rpm (approx. 3 h or overnight if some clumps have not adequately swollen).
purified water	ad 1000.0 g	Compensate the evaporation loss of the cooled down solution with purified water and homogenize the solution again.

The prepared solution has a hold time of 2 weeks when stored in a fridge!

Note	When using Natrosol of Ashland, it is mandatory to heat up the water first (to avoid clumping).
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Preparation of 0.5 % Natrosol™ 250 HX PHARM incl. 0.015% Tween 80

Ingredients	Quantity	Preparation
purified water	995.0 g	Take a beaker and magnetic stirrer. Weigh the water and heat up to 80°C while stirring.
Natrosol™ 250HX PHARM Fa. Ashland (Hydroxyethylcellulose)	5.0 g	Create a swirl with 500 rpm. Weigh the Natrosol on a watch glass and add gradually into the swirl. Stir for another 30 minutes at 80°C. Let the solution cool down to room temperature while stirring with 250 rpm (approx. 3 h or overnight if some clumps have not adequately swollen).
"10 % Tween 80 (10 %-Polysorbat 80)"	1.5 mL	Pipet 1.5 mL (use a direct displacement pipette!).
purified water	ad 1000.0 g	Compensate the evaporation loss of the cooled down solution with purified water and homogenize the solution again.

The prepared solution has a hold time of 2 weeks when stored in a fridge!

Note	When using Natrosol of Ashland, it is mandatory to heat up the water first (to avoid clumping).
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