CLAIMS

1. A method for manufacturing hydrogel particles, the method comprising a step of cooling an aqueous solution, in which a gel agent forming a non-crosslinked hydrogel is dissolved, down to a temperature lower than a gel point of the aqueous solution, wherein

in the step of cooling, a cooled substance of the aqueous solution is stirred at least at the gel point, and after the gel point has been reached, a stirring energy of 400 $kW \cdot s/m^3$ or higher is applied to the cooled substance of the aqueous solution with stirring at a required stirring power per unit volume of 0.8 kW/m^3 or higher.

2. The method of claim 1, wherein

stirring the aqueous solution or the cooled substance of the aqueous solution is continuously performed over a period from before a temperature of the aqueous solution or a temperature of the cooled substance of the aqueous solution reaches the gel point to after the gel point has been reached.

3. The method of claim 1 or 2, wherein

an average cooling speed in the step of cooling is 0.1°C/min or higher and 5°C/min or lower.

4. The method of any one of claims 1 to 3, wherein

a temperature difference between the temperature of the cooled substance of the aqueous solution during the stirring and the gel point is smaller than 20°C.

5. The method of any one of claims 1 to 4, wherein

the stirring is changed to stirring at a required stirring power per unit volume lower than 0.8 kW/m^3 to be completed or is stopped to be completed.

6. The method of claim 5, wherein

after the stirring is completed, the cooled substance of the aqueous solution is stirred at a required stirring power per unit volume lower than 0.8 kW/m^3 for aging or is left to stand still for aging.

7. The method of claim 6, wherein

an aging time for the aging is 10 minutes or longer.

8. The method of claim 6 or 7, wherein

a temperature difference between an aging temperature of the aging and the gel point is smaller than 20°C.

9. The method of any one of claims 6 to 8, wherein

a temperature difference between an aging temperature of the aging and the temperature of the cooled substance of the aqueous solution during the stirring is 10.0°C or smaller.

10. The method of any one of claims 1 to 9, wherein

a volume-mean particle size of the hydrogel particles is 0.100 μm or larger and 10000 μm or smaller.

11. A method for manufacturing a cosmetic product, comprising the steps of:

cooling an aqueous solution, in which a gel agent forming a non-crosslinked hydrogel is dissolved is cooled down to a temperature lower than a gel point of the aqueous solution;

obtaining hydrogel particles at the gel point of the aqueous solution; and

blending the hydrogel particles with a cosmetic component into a liquid phase to obtain the cosmetic product;

wherein in the cooling step, a cooled substance of the aqueous solution is stirred at least at the gel point, and after the gel point has been reached, a stirring energy of 400 kW×s/m3 or higher is applied to the cooled substance of the aqueous solution with stirring at a required stirring power per unit volume of 0.8 kW/m3 or higher.