CLAIMS

1. A beauty product containing sterile PCL microspheres, characterized by comprising sterile microparticles, wherein the sterile PCL microspheres are sterilized by irradiation, have a smooth surface, an average particle size range of **26**-**46** μm and a roundness of ≥ **0**.**96**, wherein the irradiation sterilization is performed by γ rays, the irradiation dose is **20** kGy-**30** kGy, and wherein the weight-average molecular weight of the sterile PCL microspheres is **10,000** - **40,000** Da.

2. The beauty product containing sterile PCL microspheres as claimed in claim 1, characterized in that the sterile PCL microspheres have a roundness of ≥ **0**.**97.**

3. The beauty product as claimed in claim **1**, characterized in that the irradiation dose is **20** kGy, 25 kGy, or **30** kGy.

4. The beauty product as claimed in claim **1**, characterized in that in the sterile PCL microspheres, the microspheres with a particle size of **25**-**50** μm have a percentage of ≥ **65**%, and the microspheres with a particle size of less than **25** μm have a percentage of ≤ **20**%.

5. The beauty product as claimed in claim **4**, characterized in that in the sterile PCL microspheres, the microspheres with a particle size greater than **50** μm have a percentage of ≤ **15**%.

6. The beauty product as claimed in claim **1**, characterized in that the sterile PCL microspheres have a molecular weight distribution coefficient PDI of **1**.**5**-**3**.**0**.

7. The beauty product as claimed in claim **6**, characterized in that the sterile PCL microspheres have a molecular weight distribution coefficient PDI of **1**.**8**-**2**.**5.**

8. The beauty product as claimed in claim **1**, characterized in that the change rate of the roundness of the PCL microspheres before and after irradiation is ≤ **3.5**%.

9. The beauty product as claimed in claim **1**, characterized in that the change rate of the roundness of the PCL microspheres before and after irradiation is ≤ **2.5**%.

10. The beauty product as claimed in claim **1**, characterized by further comprising a sterile CMC-Na gel resulting from a sterilization treatment by means of a moist heat sterilization method.

11. The beauty product as claimed in claim **1**, characterized by further comprising a sterilized syringe.

12. A method for preparing the beauty product containing sterile PCL microspheres according to claim **1**, characterized by comprising a step of mixing sterile PCL microspheres with a sterile CMC-Na gel resulting from sterilization by means of a moist heat sterilization method until uniform.

13. A method for preparing the sterile PCL microspheres as claimed in claim **1**, characterized in that specific steps for obtaining sterile PCL microspheres by means of irradiation sterilization are as follows:

step **1**, weighing an appropriate amount of PCL microspheres and placing same in a centrifuge tube, and marking the irradiation dose and the type of microspheres on the centrifuge tube;

step **2**, in order to ensure a sterile state and no leakage during detection, sealing the centrifuge tube with a sealing film;

step **3**, putting the centrifuge tube into a packaging box, and pasting a label on the outside of the box to label information about the sterilization dose; and

step **4**, receiving irradiation with γ rays or β rays.

14. The method as claimed in claim **13**, wherein the irradiation dose is **20**-**30** kGy.

15. The method as claimed in claim **14**, wherein the irradiation dose is **20** kGy, **25** kGy, or **30** kGy.