CLAIMS

1. A pre-filled container comprising:

a cylindrical body portion;

a cylindrical nozzle portion provided at a tip end portion of the body portion, the nozzle portion being thinner than the body portion;

a bottomed cylindrical cap externally fitted onto a tip of the nozzle portion, the cap being detachably attached to the nozzle portion; and

paste to be discharged from the nozzle portion, wherein

a tip end portion of the nozzle portion and a bottom surface of a cylinder of the cap are separated from each other, and cap interior space is formed between the tip end portion of the nozzle portion and the bottom surface of the cylinder of the cap, and

the paste is filled into the cylindrical body portion, the cylindrical nozzle portion, and the cap interior space.

2. The pre-filled container according to claim 1, wherein a tip end surface of the cylindrical nozzle portion and the cap are separated from each other, and the paste is filled into space between the tip end surface and the cap, in the cap interior space.

3. The pre-filled container according to claim 1 or 2, wherein the tip end portion of the nozzle portion and the bottom surface of the cylinder of the cap are separated from each other by a distance equal to or more than an internal diameter of the nozzle portion.

4. The pre-filled container according to any one of claims 1 to 3, wherein the paste has a viscosity of 5 to 90 Pa·s and a thixotropy of 1.0 to 11.5.

5. The pre-filled container according to any one of claims 1 to 4, wherein the cap is transparent, and the paste filled into the cap interior space is visible from outside the cap.

6. A method for preventing air bubble contamination in a pre-filled container including:

a cylindrical body portion;

a cylindrical nozzle portion provided at a tip end portion of the body portion, the nozzle portion being thinner than the body portion;

a bottomed cylindrical cap externally fitted onto a tip of the nozzle portion, the cap being detachably attached to the nozzle portion; and

paste to be discharged from the nozzle portion,

the method comprising:

forming cap interior space between a tip end portion of the nozzle portion and a bottom surface of a cylinder of the cap, by separating the tip end portion of the nozzle portion and the bottom surface of the cylinder of the cap from each other; and

filling the paste into the cylindrical body portion, the cylindrical nozzle portion, and the cap interior space to prevent air bubble contamination.