CLAIMS:

1. A method of stabilizing the particle size of a pharmaceutical ingredient in suspension comprising the steps of:

a) Reducing the particle size of the pharmaceutical ingredient in the suspension under high pressure conditions by using a high pressure homogenization apparatus, wherein the high pressure conditions refer to pressures in the range of from 500 to 3500 bar; and

b) Isolating the particles from the suspension in the form of a powder, characterized in that during the isolation step at least a part of the suspension is recycled to the high pressure homogenization apparatus under mild pressure conditions, which refer to any pressure conditions below the previously applied high pressure conditions.

2. The method according to claim 1 wherein the mild pressure condition is below 500 bar.

3. The method according to any of the preceding claims, wherein the high pressure homogenization apparatus comprises gap valve, rotor stator, ultrasonic, homogenization cell or high shear fluid processing.

4. The method according to any of the preceding claims, wherein the particle isolation step comprises a drying process for obtaining the particles in the form of a dry powder, optionally the drying process comprises spray drying, lyophilization, evaporation to dryness or a fluid bed drying step.

5. The method according to claim 4, wherein the drying step is a spray drying process.

6. The method according to any of the preceding claims, wherein the suspension is formed by adding the pharmaceutical ingredient to an anti-solvent, optionally the anti-solvent is any media where the pharmaceutical ingredient shows none or low solubility preferably methanol, ethanol, acetone, ethyl acetate, n-heptane or water.

7. The method according to any proceeding claims, further comprising at least one of the following:

(i) the suspension is continuously recycled to the HPH unit at optimized mild pressure conditions; and

(ii) the suspension does not contain a stabilizing agent or a surfactant.

8. The method according to any of the preceding claims, further comprising at least one of the following:

(i) during the particle isolation step there are no processing time window limitations; and

(ii) the particle size is stabilized during the pharmaceutical ingredient isolation step.

9. A process for preventing Ostwald Ripening in a process of obtaining particles of an pharmaceutical ingredient in powder form, from a suspension of the pharmaceutical ingredient under high pressure conditions, using a high pressure homogenization apparatus, wherein the high pressure conditions refer to pressures in the range of from 500 to 3500 bar, the process comprising the step of recycling at least a part of the suspension at mild pressure conditions, which refer to any pressure conditions below the previously applied high pressure conditions, during the step of isolation of the particles from the suspension.