CLAIMS

1. A manufacturing process for preparing a powder solid composition comprising the following steps:

a) a hydroalcoholic extract of Bergamot fruit is dispersed in at least one polar organic solvent and kept under mixing until a solution or a dispersion is obtained; heating is optionally applied; wherein the extract contains the flavonoids neoeriocitrin, naringin and neohesperidin;

b) at least one phospholipid is then added to the solution/dispersion of the Bergamot fruit extract and the mixture is kept under mixing; wherein the weight ratio between the at least one phospholipid and the flavonoids of the extract ranges from 6 to 30; heating is optionally applied;

c) the organic solvent is then removed to obtain the powder solid composition.

2. A manufacturing process according to claim 1, wherein the weight ratio ranges from 6 to 20, preferably from 6 to 12.

3. A manufacturing process according to claim 1 or 2, wherein the at least one phospholipid is selected from the group consisting of lecithins from soy, sunflower or egg, phosphatidyl choline, phosphatidyl serine, phosphatidyl ethanolamine, wherein the acyl groups being the same or different are mostly derived from palmitic, stearic, oleic, linoleic, linolenic acids; or combinations thereof.

4. A manufacturing process according to claim 3, wherein the at least one phospholipid is lecithin.

5. A manufacturing process according to claims 1-4, further comprising an additional surfactant, other than lecithin, with a HLB value equal or higher than 12.

6. A manufacturing process according to claim 5, wherein the additional

surfactant is selected from the group consisting of sucrose esters, polysorbates, polyoxyethylene castor oil derivatives, polyoxyethylene stearates, D-a-tocopheryl polyethylene glycol succinate, or combinations thereof.

7. A manufacturing process according to claim 6, wherein the additional surfactant is selected from sucrose esters and D-a-tocopheryl polyethylene glycol succinate.

8. A manufacturing process according to claim 1, wherein the polar organic solvent is a polar protic solvent or a polar aprotic solvent.

9. A manufacturing process according to claim 8, wherein the polar protic solvent is a, straight or branched, C_1-C_8 alkyl alcohol.

10. A manufacturing process according to claim 8, wherein the polar aprotic solvent is selected from a, straight or branched, C_1-C_8 alkyl ester or C_1-C_8 dialkylketone.

11. A manufacturing process according to claims 1-10, wherein the polar organic solvent is selected from the group consisting of ethyl alcohol, ethyl acetate, acetone, isobutyl alcohol, isopropyl alcohol, and combinations thereof.

12. A manufacturing process according to claim 11, wherein the organic solvent is selected from ethyl alcohol and ethyl acetate.

13. A powder solid composition obtainable by the manufacturing process according to any one of claims 1-12, wherein the powder solid composition comprises at least one phospholipid and a hydroalcoholic extract of Bergamot fruit containing flavonoids, neoeriocitrin, naringin and neohesperidin.

14. Pharmaceutical, nutraceutical and cosmetic formulations comprising a powder solid composition according to claim 13 and at least one physiologically

acceptable excipient and/or carrier.

15. A powder solid composition according to claim 13 or a formulation according to claim 14 for use in the prevention and/or treatment of metabolic syndromes, dyslipidemias and type 2 diabetes.

16. Use of a powder solid composition according to claim 13 or a formulation according to claim 14 in the manufacture of a medicament for the prevention and/or treatment of metabolic syndromes, dyslipidemias and type 2 diabetes.

17. The powder solid composition according to claim 13 wherein the at least one phospholipid is selected from the group consisting of lecithins from soy, sunflower or egg, phosphatidyl choline, phosphatidyl serine, phosphatidyl ethanolamine, wherein the acyl groups being the same or different are mostly derived from palmitic, stearic, oleic, linoleic, linolenic acids; or combinations thereof.

18. The powder solid composition according to claim 13 wherein the at least one phospholipid is lecithin.

19. The powder solid composition according to claim 18 further comprising an additional surfactant, other than lecithin, with a HLB value equal or higher than 12.

20. The powder solid composition according to claim 19, wherein the additional surfactant is selected from the group consisting of sucrose esters, polysorbates, polyoxyethylene castor oil derivatives, polyoxyethylene stearates, D-α-tocopheryl polyethylene glycol succinate, or combinations thereof.

21. The powder solid composition according to claim 20, wherein the additional surfactant is selected from sucrose esters and D-α-tocopheryl polyethylene glycol succinate.

22. Pharmaceutical, nutraceutical or cosmetic formulation according to claim 14, for oral administration or for topical administration.