CLAIMS

What is claimed is:

1. A pharmaceutical or nutraceutical, self-emulsifying solid dispersion (SESD) composition for oral administration, comprising:

(a) a drug or a nutraceutical that is water-insoluble or poorly water-soluble (hydrophobic), which is tocotrienol;

(b) at least one surfactant;

(c) a carrier, which is SiO_2~~one carrier selected from the group consisting of silicic acid, a silicate, or any combination thereof~~; and

(d) ~~at least one~~ a carbohydrate filler, which is isomalt.

~~2. The pharmaceutical, or nutraceutical, SESD composition of claim 1, wherein the drug or the nutraceutical is selected from the group consisting of tocotrienols, tocopherols, vitamins A, D, K and β-carotene or other hydrophobic medicines or extracts.~~

~~3. The pharmaceutical or nutraceutical SESD composition of claim 2, wherein the drug or the nutraceutical comprises tocotrienols.~~

~~4.~~2. The pharmaceutical or nutraceutical SESD composition of claim 1, wherein said surfactant is selected from the group consisting of Polysorbate (Tween), Sorbitan fatty acid ester (Span), Polyethylene glycol (PEG), Polyoxyl 35 castor oil (Kolliphor EL), and any combination thereof.

~~5.~~3. The pharmaceutical or nutraceutical SESD composition of claim 1, wherein said carrier is present in a percentage by weight of 1% to 40%.

~~6.~~4. The pharmaceutical or nutraceutical SESD composition of claim 3~~5~~, wherein said carrier is present in a percentage by weight of 1% to 20%.

~~7.~~5. The pharmaceutical or nutraceutical SESD composition of claim 1, wherein said carbohydrate filler is present in a percentage by weight of 15% to 90%.

~~8. The pharmaceutical or nutraceutical SESD composition of claim 1, wherein said carbohydrate filler is selected from the group consisting of lactose, isomalt, cyclodextrin, dextrates, isomaltodextrin, maltodextrins, and any combination thereof.~~

~~9.~~6. The pharmaceutical or nutraceutical SESD composition of claim 1~~8~~, wherein said carbohydrate filler is present in a percentage by weight of 40% to 90%.

~~10.~~7. The pharmaceutical or nutraceutical SESD composition of claim 1, further comprising

(e) at least one binder; and

(f) at least one lubricant.

~~11.~~8. The pharmaceutical or nutraceutical SESD composition of claim 1, further comprising

(e) at least one binder; or

(f) at least one lubricant.

~~12.~~9. A delivery system for a water-insoluble or poorly water-soluble (hydrophobic) drug or nutraceutical, which is tocotrienol, ~~which~~ the delivery system comprising:~~es~~

~~one~~ a carrier, which is SiO_2 ~~selected from the group consisting of silicic acid, a silicate, or any combination thereof;~~

at least one surfactant; and

~~at least one~~ a carbohydrate filler, which is isomalt.

~~13.~~10. The delivery system of claim 9~~12~~, further comprising at least one binder; and at least one lubricant.

~~14.~~11. The delivery system of claim 9~~12~~, wherein said surfactant is selected from the group consisting of Polysorbate (Tween), Sorbitan fatty acid ester (Span), Polyethylene glycol (PEG), Polyoxyl 35 castor oil (Kolliphor EL), and any combination thereof.

~~15.~~12. The delivery system of claim 11~~14~~, wherein said carrier is present in a percentage by weight of 1% to 40%.

~~16.~~13. The delivery system of claim 11~~14~~, wherein said carrier is present in a percentage by weight of 1% to 20%.

~~17. The delivery system of claim 12, wherein said carbohydrate filler is selected from the group consisting of lactose, isomalt, cyclodextrin, dextrates, isomaltodextrin, maltodextrins, and any combination thereof.~~

~~18.~~14. The delivery system of claim 9~~17~~, wherein said carbohydrate filler is present in a percentage by weight of 15% to 90%.

~~19.~~15. The delivery system of claim 14~~18~~, wherein said carbohydrate filler is present in a percentage by weight of 40% to 90%.

~~20.~~16. A composition or pharmaceutical composition for improving delivery and absorption of tocopherol, comprising:

(a) ~~a compound or substance comprising at least one~~ tocopherol;

(b) at least one surfactant;

(c) a ~~silicic acid~~ carrier, which is SiO_2;

(d) a carbohydrate filler, which is isomalt;

wherein the ~~silicic acid~~ carrier is present in a percentage by weight of 0.1%-20%, and the carbohydrate filler in a percentage by weight of 40-90%.

~~21.~~17. The composition or pharmaceutical composition of claim 16~~20~~, wherein said surfactant is selected form the group consisting of Polysorbate (Tween), Sorbitan fatty acid ester (Span), Polyethylene glycol (PEG), Polyoxyl 35 castor oil (Kolliphor EL), and any combination thereof.

~~22. The composition or pharmaceutical composition of claim 20, wherein said carbohydrate filler is selected from the group consisting of lactose, isomalt, cyclodextrin, dextrates, isomaltodextrin, maltodextrins, and any combination thereof.~~

~~23.~~18. The composition or pharmaceutical composition of claim 16~~20~~, further comprising

(e) at least one binder; and

(f) at least one lubricant.

~~24.~~19. The composition or pharmaceutical composition of claim 16~~20~~, further comprising

(e) at least one binder; or

(f) at least one lubricant.