WHAT IS CLAIMED IS:

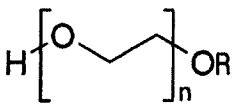
1. A tadalafil free base-containing film, in which a film formulation contains tadalafil free base as an active ingredient,

wherein 90 wt% or more of solvents used in producing the film formulation is water so that the tadalafil free base is dispersed and 2 wt % or less of the total tadalafil free base is dissolved in tadalafil free base-containing film preparing solution, and

wherein the film formulation comprises the dispersion stabilizing agent selected from polyethyleneglycol-based polymer, a vinylpyrrolidone-based polymer, or mixtures thereof.

2. The tadalafil free base-containing film according to claim 1, wherein the polyethyleneglycol-based polymer is a homopolymer or a copolymer of a monomer expressed by the following chemical formula 1:

[Chemical formula 1]



where R is hydrogen or an alkyl group having 1 – 6 carbon atoms, and n is an integer of from 1 to 300.

3. The tadalafil free base-containing film according to claim 2, wherein the homopolymer has a molecular weight of from 200 g/mol to 10,000 g/mol.

4. The tadalafil free base-containing film according to claim 2, wherein the monomer is polyethylene glycol (PEG) in which R in the chemical formula 1 is hydrogen.

5. The tadalafil free base-containing film according to claim 2, wherein the polyethyleneglycol-based polymer is a polyvinyl alcohol-polyethylene glycol

copolymer.

6. The tadalafil free base-containing film according to claim 1, wherein the vinylpyrrolidone-based polymer is a homopolymer or copolymer of vinylpyrrolidone.

7. The tadalafil free base-containing film according to claim 6, wherein the vinylpyrrolidone-based polymer is polyvinylpyrrolidone or a vinylpyrrolidone-vinyl acetate copolymer.

8. The tadalafil free base-containing film according to claim 1, wherein the dispersion stabilizing agent is present from 0.2 wt% to 20 wt% based on a total weight of a dried film.

9. The tadalafil free base-containing film according to claim 1, wherein the tadalafil free base-containing film optionally contains a surfactant, a plasticizer, or thereof mixtures, and the total content of the surfactant, the plasticizer, and the dispersion stabilizing agent is from 1 wt% to 90 wt% based on a total weight of a dried film.

10. The tadalafil free base-containing film according to claim 9, wherein the polyethyleneglycol-based polymer, the vinylpyrrolidone-based polymer, or mixtures thereof is present from 5 wt% to 90 wt% based on the total content of the surfactant, the plasticizer, and the dispersion stabilizing agent.

11. A tadalafil free base-containing film preparing solution, comprising:

tadalafil free base as an active ingredient;

the dispersion stabilizing agent selected from polyethyleneglycol-based polymer, a vinylpyrrolidone-based polymer, or mixtures thereof; and

wherein 90% or more of the film preparing solution is water so that the tadalafil free base is dispersed and 2 wt % or less of the total tadalafil free base is dissolved in

tadalafil free base-containing film preparing solution.

12. A method of preparing a tadalafil free base-containing film, comprising:

adding tadalafil free base, a dispersion stabilizing agent and optionally a surfactant, a plasticizer, or thereof mixtures to water, and then adding a polymer to prepare a polymer solution; and

drying a polymer solution in which 90 wt% or more of solvents is water so that the tadalafil free base is dispersed and 2 wt % or less of the total tadalafil free base is dissolved, and

wherein the dispersion stabilizing agent is selected from polyethyleneglycol-based polymer, a vinylpyrrolidone-based polymer, or mixtures thereof.