	COMPARATIVE EXAMPLE			EXAMPLE										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
TADALAFIL	17.1	17.1	17.1	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
~~POLYETHYLENE GLYCOL~~HYDROXYPROPYLCELLULOSE	43.0	60.2	53.0	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
POLYETHYLENE GLYCOL				2.5										
POLYETHYLENE OXIDE					2.5									
POLYVINYLPYRROLIDONE (POVIDONE)						2.5								
POLYVINYLALCOHOL-POLYETHYLENEGLYCOL COPOLYMER							2.5							
HYDROXYETHYL CELLULOSE								2.5						
HYDROXYETHYLMETHYL CELLULOSE									2.5					
POLYOXYETHYLENE CASTOR OIL										2.5				
POLYOXYETHYLENE STEARATE											2.5			
TRIETHYL CITRATE												2.5		
VINYLPYRROLIDONE-VINYLACETATE COPOLYMER													2.5	
POLYOXYETHYLENEALKYLETHER														2.5
GLYCERIN	11.2	11.2	11.2	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
TITANIUM OXIDE	21.9	9.7	13.1	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
SUCRALOSE	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
POLYSORBATE 80	5.8	0.8	4.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CONTENT RSD%	3.9	4.3	4.5	0.5	3.9	0.9	0.9	3.7	3.2	2.9	3.2	2.9	1.1	4.0
SOLVENT	to 100%													

WHAT IS CLAIMED IS:

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

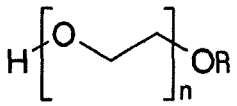
wherein the tadalafil free base is dispersed and 2 wt % or less of the total tadalafil free base is dissolved in tadalafil free base-containing film preparing solution,

wherein the film formulation comprises the dispersion stabilizing agent selected fromcomprises a polyethyleneglycol-based polymer, a vinylpyrrolidone-based polymer, or mixtures thereof as a dispersion stabilizing agent, and

wherein 90 wt% or more of solvents used in producing the film formulation is water.

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 thea total content of thea surfactant, thea plasticizer, and thea 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;~~ and~~

the dispersion stabilizing agent selected froma polyethyleneglycol-based polymer, a vinylpyrrolidone-based polymer, or mixtures thereof~~ as a dispersion stabilizing agent~~;

wherein 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.

~~12. The tadalafil free base-containing film preparing solution according to claim 11,~~ wherein 90% or more of the film preparing solution is water.

1213. 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 tadalafil free base is dispersed and 2 wt % or less of the total tadalafil free base is dissolved,

wherein~~by~~ the dispersion stabilizing agent is selected from~~addition of a~~ polyethyleneglycol-based polymer, a vinylpyrrolidone-based polymer, or mixtures thereof, and ~~as a dispersion stabilizing agent~~

wherein 90% or more of solvents used in producing the film is water.