Prior Art Documents

Patent Documents

[0008]

Patent Document 1: Japanese unexamined Patent Application Publication No. 2013-203671

Patent Document 2: Japanese unexamined Patent Application Publication (Translation of PCT Application) No. 2003-508432

Patent Document 3: Japanese unexamined Patent Application Publication (Translation of PCT Application) No. 2007-524527

Patent Document 4: Chinese Patent No. 101711875

Summary of the Invention

Object to be Solved by the Invention

[0009]

An object of the present invention is to provide a soft capsule formulation in which the soft capsule shell thereof does not easily soften and the surface of the soft capsule shell is resistant to adherence and which has excellent gloss and transparency even if glycerin is used as a plasticizer.

Means to Solve the Object

[0010]

In one aspect, there is provided a composition for a soft capsule shell comprising a base containing gelatin as a main component; a plasticizer containing sorbitol, maltitol and glycerin as main components, and water, wherein the plasticizer contains 1 to 15 parts by mass of

sorbitol, 1 to 30 parts by mass of maltitol and 40 to 60 parts by mass of glycerin, per to 100 parts by mass of the gelatin.

In another aspect, there is provided a soft capsule shell consisting of the composition for a soft capsule shell as described herein.

In yet another aspect, there is provided a soft capsule formulation wherein a capsule fill is filled in the soft capsule shell as described herein.

In another aspect, there is provided a method for manufacturing a soft capsule formulation comprising forming a soft capsule shell by forming a film from a composition for a soft capsule shell comprising a base containing gelatin as a main component, and a plasticizer containing sorbitol, maltitol and glycerin as main components; and filling the soft capsule shell with a capsule fill, wherein the plasticizer contains 1 to 15 parts by mass of sorbitol, 1 to 30 parts by mass of maltitol and 40 to 60 parts by mass of glycerin, per 100 parts by mass of the gelatin.

A capsule shell formed from a composition for a soft capsule shell comprising a base containing either gelatin or a mixture of a starch and a carrageenan as a main component and a plasticizer containing sorbitol, maltitol and glycerin as main components wherein each component in

CLAIMS

1. A composition for a soft capsule shell comprising: a base containing gelatin as a main component; a plasticizer containing sorbitol, maltitol and glycerin as main components, and water, wherein:

the plasticizer contains 1 to 15 parts by mass of sorbitol, 1 to 30 parts by mass of maltitol and 40 to 60 parts by mass of glycerin, per to 100 parts by mass of the gelatin.

2. A soft capsule shell consisting of the composition for a soft capsule shell according to claim 1.

3. A soft capsule formulation wherein a capsule fill is filled in the soft capsule shell according to claim 2.

4. A method for manufacturing a soft capsule formulation comprising: forming a soft capsule shell by forming a film from a composition for a soft capsule shell comprising a base containing gelatin as a main component, and a plasticizer containing sorbitol, maltitol and glycerin as main components; and filling the soft capsule shell with a capsule fill, wherein:

the plasticizer contains 1 to 15 parts by mass of sorbitol, 1 to 30 parts by mass of maltitol and 40 to 60 parts by mass of glycerin, per 100 parts by mass of the gelatin.