WHAT IS CLAIMED IS:

1. A capsule which disintegrates specifically in large intestine, comprising a content comprising a main agent, and a shell, covering the content, comprising a natural water-soluble polymer as a shell base material and chitosan powder dispersing in the natural water-soluble polymer~~.~~,

~~2. The capsule according to claim 1~~ wherein the natural water-soluble polymer is a mixture of a first natural water-soluble polymer and a second natural water-soluble polymer, wherein the first natural water-soluble polymer is selected from the group consisting of gelatin, carrageenan, starch, agar, pullulan, modified starch, alginic acid, mannan and a mixture thereof, and the second natural water-soluble polymer is selected from the group consisting of pectin, gellan gum, cardlan and a mixture thereof.

~~3.~~2. The capsule according to claim 1~~ or 2~~, ~~which~~wherein the shell further comprises a plasticizer.

~~4.~~3. The capsule according to claim ~~3~~2, wherein the chitosan powder is derived from animal or plant and is contained in an amount of 1 to 27 % by mass based on a total weight of dried shell, and the second natural water-soluble polymer is contained in an amount of 1 to 24 % by mass based on a total weight of dried shell.

~~5.~~4. The capsule according to claim ~~3~~2 or ~~4~~3, wherein the natural water-soluble polymer is a combination of gelatin as the first natural water-soluble polymer and pectin as the second water-soluble polymer.

~~6.~~5. The capsule according to anyone of claims 1 to ~~5~~4, wherein an intermediate layer(s) is(are) present between the content and the shell.

~~7.~~6 The capsule according to anyone of claims 1 to ~~6~~5, wherein the

main agent is selected from the group consisting of polypeptide drug, bifidobacterium, lactobacillus, lactoferrin and nattokinase.

~~8.~~7. The capsule according to claim ~~7~~6, wherein the main agent is selected from the group consisting of bifidobacterium and lactobacillus.

~~9.~~8. A method of producing the capsule according to claim 1, comprising ejecting into cooling solution a solution drop of a content solution containing a main agent from an innermost nozzle and a shell solution containing comprising a natural water-soluble polymer as a shell base material and chitosan powder dispersing in the natural water-soluble polymer from an outermost nozzle wherein

the natural water-soluble polymer is a mixture of a first natural water-soluble polymer and a second natural water-soluble polymer, wherein the first natural water-soluble polymer is selected from the group consisting of gelatin, carrageenan, starch, agar, pullulan, modified starch, alginic acid, mannan and a mixture thereof, and the second natural water-soluble polymer is selected from the group consisting of pectin, gellan gum, cardlan and a mixture thereof.