Claims

[Claim 1]

A hydrogel composition for skin comprising components (A) to (D) below:

(A) water in an amount of 50 mass% or more and 95 mass% or less;

(B) an anionic water-soluble polymer compound comprising 80 mass% or more of carboxymethylcellulose or a salt thereof;

(C) a crosslinking agent that forms ionic crosslinking with an anionic functional group in an amount of from 0.01 to 2mass%; and

(D) one or more nonionic water-soluble polymer compounds selected from the group consisting of polyvinyl alcohol, polyvinylmethylether, polyvinylpyrrolidone, polyacrylamide, and polyvinylpyrrolidone-vinyl acetate copolymer, in an amount of 2.5 mass% or more and 7 mass% or less

wherein a mass ratio of the component (B) to component (C), ((B)/(C)) is 3 or more and 40 or less.

[Claim 2]

The hydrogel composition for skin according to claim 1, wherein the component (C) is one or more selected from the group consisting of

a) a polyvalent metal compound; and

b) a cationic compound having

at least two monovalent cation elements in one molecule and/or

at least two amino groups in one molecule.

[Claim 3]

The hydrogel composition for skin according to claim 1 or 2, wherein a content of water-soluble polymer compounds other than the component (B) and the component (D) is 1 mass% or less.

[Claim 4]

The hydrogel composition for skin according to any one of claims 1 to 3, wherein a mass ratio of the component (B)to the component (D),((B)/(D)), is 0.4 or more and 1.7 or less.

[Claim 5]

The hydrogel composition for skin according to any one of claims 1 to 4, wherein the component (D) is one or more selected from the group consisting of polyvinyl alcohol, polyvinylpyrrolidone, and polyacrylamide.

[Claim 6]

The hydrogel composition for skin according to any one of claims 1 to 5, wherein a content of the component (B) is 2.2 mass% or more and 6 mass% or less.

[Claim 7]

The hydrogel composition for skin according to any one of claims 1 to 6, wherein the hydrogel composition is a sheet and has a thickness of 0.1 mm or more and 4 mm or less.

[Claim 8]

A method for producing a hydrogel composition for skin, comprising:

mixing components (A) to (D) below to prepare an unclosslinked gel stock solution:

(A) water in an amount of 50 mass% or more and 95 mass% or less;

(B) an anionic water-soluble polymer compound comprising 80 mass% or more of carboxymethylcellulose or a salt thereof;

(C) a crosslinking agent that forms ionic crosslinking with an anionic functional group in an amount of from 0.01 to 2 mass%; and

(D) one of more nonionic water-soluble polymer compounds selected from the group consisting of polyvinyl alcohol, polyvinylmethylether, polyvinylpyrrolidone, polyacrylamide, and polyvinylpyrrolidone-vinyl acetate copolymer, in an amount of 2.5 mass% or more and 7 mass% or less, wherein a mass ratio of the component (B) to component (C), ((B)/(C)) is 3 or more and 40 or less; and

subsequently forming the uncrosslinked gel stock solution into a sheet with a peelable film for one surface of the sheet and a peelable film or a base material layer for the other surface.