What is claimed is:

1. A sterilized composition comprising at least one hyaluronic acid or biologically acceptable salt thereof, alone or in a mixture, and magnesium ascorbyl phosphate, in a ratio [HA]/[MAP] by mass of the amount of hyaluronic acid or salt thereof [HA] to the amount of magnesium ascorbyl phosphate [MAP] of greater than or equal to 1, the amount of magnesium ascorbyl phosphate being between 0.001% and 1% by weight, relative to the total weight of said composition, with an elastic component G' which is retained or improved after sterilization and is between 5 and 400 Pa.

2. The composition as claimed in claim 1, wherein the amount of magnesium ascorbyl phosphate is between 0.03% and 1% by weight, relative to the total weight of said composition.

3. The composition as claimed in either of the preceding claims, wherein the amount of magnesium ascorbyl phosphate is between 0.05% and 0.15% by weight, relative to the total weight of said composition.

4. The composition as claimed in any one of the preceding claims, wherein the amount of magnesium ascorbyl phosphate is between 0.03% and 0.1% by weight, relative to the total weight of said composition.

5. The composition as claimed in any one of the preceding claims, wherein the amount of magnesium ascorbyl phosphate is between 0.07% and 0.1% by weight, relative to the total weight of said composition.

6. The composition as claimed in claim 1, further comprising dimethyl sulfone.

7. The composition as claimed in any one of claims 2 to 4, wherein the amount of dimethyl sulfone is between 0.001% and 5% by weight, relative to the total weight of said composition.

8. The composition as claimed in any one of claims 2 to 4, wherein the amount of dimethyl sulfone is between 0.1% and 1% by weight, relative to the total weight of said composition.

9. The composition as claimed in any one of the preceding claims, wherein the molecular mass Mw of the hyaluronic acid or salt thereof is between 0.01 and 5 MDa.

10. The composition as claimed in any one of the preceding claims, wherein the amount of hyaluronic acid or salt thereof, alone or in a mixture, is between 0.2% and 5% by weight, relative to the total weight of said composition.

11. The composition as claimed in any one of the preceding claims, wherein the amount of hyaluronic acid or salt thereof, alone or in a mixture, is greater than or equal to 1% by weight, relative to the total weight of said composition.

12. The composition as claimed in any one of the preceding claims, comprising at least one noncrosslinked hyaluronic acid or salt thereof.

13. The composition as claimed in any one of claims 1 to 9, comprising at least one crosslinked hyaluronic acid or salt thereof.

14. The composition as claimed in claim 11, wherein the crosslinked hyaluronic acid or salt thereof has a degree of crosslinking of between 0.001 and 0.5.

15. The composition as claimed in any one of the preceding claims, said composition further comprising at least one additional agent.

16. The composition as claimed in claim 13, wherein the additional agent is selected from antioxidants and local anesthetics, alone or in a mixture.

17. The composition as claimed in claim 14, wherein the local anesthetics are selected from the group consisting of lidocaine, procaine, mepivacaine, ropivacaine, bupivacaine, or pharmaceutically acceptable salts thereof.

18. The composition as claimed in claim 14, wherein the antioxidants are selected from polyols.

19. A method for producing a composition as claimed in claims 1 to 16, wherein said production method comprises at least:

- a step of hydrating fibers of at least one hyaluronic acid or salt thereof, alone or in a mixture, to give a hydrogel,
- a step of mixing a solution of magnesium ascorbyl phosphate with the hydrogel obtained in the preceding step,
- a step of homogenizing; and
- a step of sterilizing.

20. A method for producing a composition as claimed in claim 17, wherein said method further comprises at least one step of crosslinking.

21. The production method as claimed in either of claims 17 and 18, wherein said method further comprises at least one step of mixing a solution of dimethyl sulfone with the hydrogel obtained in the step of hydrating fibers of at least one hyaluronic acid or salt thereof, alone or in a mixture.

22. The use of a composition as claimed in claims 1 to 16 to formulate a composition for filling in wrinkles.

23. The use of a composition as claimed in claims 1 to 16 to formulate a composition for viscosupplementation.

24. A kit comprising a composition as claimed in claims 1 to 16, packaged in sterile syringes.

Claims

1. A sterilized composition comprising at least one crosslinked hyaluronic acid or biologically acceptable salt thereof, alone or in a mixture, and magnesium ascorbyl phosphate, in a ratio [HA]/[MAP] by mass of the amount of hyaluronic acid or salt thereof [HA] to the amount of magnesium ascorbyl phosphate [MAP] of greater than or equal to 1, the amount of magnesium ascorbyl phosphate being between 0.001% and 1% by weight, relative to the total weight of said composition, wherein the crosslinked hyaluronic acid or salt thereof has a degree of crosslinking ranging from 0.1 to 0.2, with an elastic component G' which is retained or increased after sterilization, relative to a same composition not comprising magnesium ascorbyl phosphate, and is between 5 and 400 Pa.

2. The composition as claimed in claim 1, wherein the amount of magnesium ascorbyl phosphate is between 0.03% and 1% by weight, relative to the total weight of said composition.

3. The composition as claimed in claim 1, wherein the amount of magnesium ascorbyl phosphate is between 0.05% and 0.15% by weight, relative to the total weight of said composition.

4. The composition as claimed in claim 1, wherein the amount of magnesium ascorbyl phosphate is between 0.03% and 0.1% by weight, relative to the total weight of said composition.

5. The composition as claimed in claim 1, wherein the amount of magnesium ascorbyl phosphate is between 0.07% and 0.1% by weight, relative to the total weight of said composition.

6. The composition as claimed in claim 1, further comprising dimethyl sulfone.

7. The composition as claimed in claim 6, wherein the amount of dimethyl sulfone is between 0.001% and 5% by weight, relative to the total weight of said composition.

8. The composition as claimed in claim 6, wherein the amount of dimethyl sulfone is between 0.1% and 1% by weight, relative to the total weight of said composition.

9. The composition as claimed in claim 1, wherein the molecular mass Mw of the hyaluronic acid or salt thereof is between 0.01 and 5 MDa.

10. The composition as claimed in claim 1, wherein the amount of hyaluronic acid or salt thereof, alone or in a mixture, is between 0.2% and 5% by weight, relative to the total weight of said composition.

11. The composition as claimed in claim 1, wherein the amount of hyaluronic acid or salt thereof, alone or in a mixture, is greater than or equal to 1% by weight, relative to the total weight of said composition.

12. The composition as claimed in claim 1, further comprising at least one noncrosslinked hyaluronic acid or salt thereof.

13. The composition as claimed in claim 1, said composition further comprising at least one additional agent.

14. The composition as claimed in claim 13, wherein the additional agent is selected from antioxidants and local anesthetics, alone or in a mixture.

15. The composition as claimed in claim 14, wherein the local anesthetics are selected from the group consisting of lidocaine, procaine, mepivacaine, ropivacaine, bupivacaine, or pharmaceutically acceptable salts thereof.

16. The composition as claimed in claim 14, wherein the antioxidants are selected from polyols.

17. The composition as claimed in claim 1, wherein the elastic component G' is increased after sterilization, relative to a same composition not comprising magnesium ascorbyl phosphate.

18. A composition for filling in wrinkles comprising the composition as claimed in claim 1.

19. A composition for viscosupplementation comprising the composition as claimed in claim 1.

20. A kit comprising a composition as claimed in claim 1, packaged in sterile syringes.

21. A method for producing a composition as claimed in claim 1, wherein said production method comprises at least: hydrating fibers of at least one hyaluronic acid or salt thereof, alone or in a mixture, to give a hydrogel, mixing a solution of magnesium ascorbyl phosphate with the hydrogel obtained in the preceding step, homogenizing; and sterilizing.

22. A method for producing a composition as claimed in claim 15, wherein said method further comprises crosslinking.

23. The production method as claimed in claim 15, wherein said method further comprises mixing a solution of dimethyl sulfone with the hydrogel.