The invention relates to an injectable and bioresorbable sterile aqueous formulation, used for aesthetic purposes, as a particulate cohesive viscoelastic gel comprising i) crosslinked hyaluronic acid or one of its salts, at a concentration of between 1% and 4% (mass/volume); the molecular mass of hyaluronic acid or one of its salts, being between $2.5x10^5$ Da and $4x10^6$ Da, the crosslinking carried out providing the possibility of obtaining a gel based on crosslinked hyaluronic acid with a so-called cohesive structure, and ii) hydroxyapatite, at a concentration of between 5% and 60% (mass/volume), said hydroxyapatite being in the form of particles with an average size of less than or equal to 200 µm; said injectable sterile aqueous formulation having viscoelastic properties such that tan δ at the frequency of 1 Hz is less than or equal to 0.60.

In one embodiment, there is provided an injectable sterile aqueous formulation, used for aesthetic purposes, in the form of a particulate cohesive viscoelastic gel comprising

i) crosslinked hyaluronic acid, or one of its salts, at a concentration of between 1% and 4% (mass/volume); the crosslinking carried out providing the possibility of obtaining a gel based on crosslinked hyaluronic acid with a so-called cohesive structure, and

ii) hydroxyapatite at a concentration of between 5% and 60% (mass/volume), said hydroxyapatite being in the form of particles with an average size of less than or equal to 200 µm;

said injectable sterile aqueous formulation having viscoelastic properties such that tan δ at the frequency of 1 Hz is less than or equal to 0.60.

According to another goal, the present invention relates to a method for preparing an injectable sterile aqueous formulation comprising the steps consisting of: a) preparing a first mixture comprising at least 1% to 4% by weight of crosslinked hyaluronic acid or of one of its salts, by forming covalent bonds between the chains of said biopolymer by means of bi- or poly-functional molecules, the crosslinking carried out providing the possibility of obtaining a gel based on crosslinked hyaluronic acid with a so-called cohesive structure, b)

purifying said first mixture, c) then adding hydroxyapatite at a concentration comprised between 5% to 60% (mass/volume) by dispersing it homogeneously in the gel based on crosslinked hyaluronic acid, d) putting the thereby obtained gel in a ready-to-use form, e) sterilizing the product in humid heat.

In one embodiment, there is provided a method for making an injectable sterile aqueous formulation comprising the steps: a) preparing a first mixture comprising at least 1% to 4% by weight of crosslinked hyaluronic acid or of one of its salts, by forming covalent bonds between the chains of said biopolymer by means of bi- or poly-functional molecules, the crosslinking carried out provinding the possibility of obtaining a gel based on crosslinked hyaluronic acid with a so-called cohesive structure, b) purifying said mixture, c) then adding hydroxyapatite at a concentration of between 5% and 60% (mass/volume) by dispersing it homogeneously in the gel based on crosslinked hyaluronic acid, d) converting the gel thereby obtained into a ready-to-use form, e) sterilizing the product in humid heat.

Also according to another object, the present invention relates to a kit preferably in the form of a syringe containing the formulation as described earlier.

SHORT DESCRIPTION OF THE FIGURE