Claims

~~1.~~ A consumer product comprising a plurality of microcapsules dispersed in a dispersing medium, the microcapsules comprising a core and a shell around the core, the core comprising at least one functional material, wherein the shells of the microcapsules are coated with chitosan and wherein the dispersing medium comprises additional free chitosan~~.~~

~~2.~~1. ~~The consumer product according to claim 1~~, wherein the free chitosan comprised in the dispersing medium has a deacetylation grade higher than 60%, more particularly higher than 70%, still more particularly higher than 80%.

~~3.~~2. The consumer product according to one of claim~~s~~ 1 ~~or 2~~, wherein the free chitosan comprised in the dispersing medium has a molecular weight between 500'000 and 5'000'000 g/mol, more particularly between 1'000'000 and 4'000'000 g/mol, still more particularly between 1'500'000 and 3'000'000 g/mol.

~~4.~~3. The consumer product according to one of claims 1 ~~to 3~~or 2, wherein the chitosan that is coating the shells of the microcapsules has a deacetylation grade between 60% and 100%, more particularly between 70% and 90%, still more particularly between 75% and 85%.

~~5.~~4. The consumer product according to one of claims 1 to ~~4~~3, wherein the chitosan that is coating the shells of the microcapsules and the free chitosan comprised in the dispersing medium have different average molecular weights.

~~6.~~5. The consumer product according to one of claims 1 to ~~5~~4, wherein the chitosan that is coating the shells of the microcapsules has a molecular weight between 3'000 and 1'000'000 g/mol, more particularly between 10'000 and 500'000 g/mol, still more particularly between 30'000 and 300'000 g/mol.

~~7.~~6. The consumer product according to one of claims 1 to ~~6~~5, wherein the coated microcapsules have a zeta potential of:

- Between 0 mV and +50 mV, more particularly between +5 mV and +40 mV, still more particularly between +10 mV and +30 mV, at a pH of 4 and an ion concentration of 0.001 mol/L;

- Between –20 mV and +20 mV, more particularly between –10 mV and +10 mV, still more particularly between –5 mV and +5 mV, at a pH 5.4 and ion concentration of 0.001 mol/L;

- Less than –20 mV, more particularly less than –40 mV, still more particularly less than –50 mV, even still more particularly between –50 mV and –60 mV, at a pH of 7 and an ion concentration of 0.001 mol/L,

wherein the zeta-potential of the microcapsules is measured by the phase analysis light scattering method.

~~8.~~7. The consumer product according to one of claims 1 to ~~7~~6, wherein the coated microcapsules have a volume-average size from 0.5 to 25 micrometers, more particularly from 1 to 20 micrometers, still more particularly from 5 to 15 micrometers.

~~9.~~8. The consumer product according to one of claims 1 to ~~8~~7, wherein the dispersing medium additionally comprises an anionic surfactant, in particular selected from the group consisting of fatty acid sulphates, laureth sulphates, sarcosines and sarcosinates.

~~10.~~9. The consumer product according to one of claims 1 to ~~9~~8, wherein the shells of the microcapsules comprise a thermosetting resin selected from the group consisting of an aminoplast resin, a~~n~~ polyurea resin, a polyurethane resin, a polyacrylate resin and mixtures thereof.

~~11.~~10. The consumer product according to one of claims 1 to ~~10~~9, comprising from 0.01 to 5 wt.-%, more particularly from 0.1 to 2.5 wt.-%, still more particularly from 0.2 to 1 wt.-% microcapsules, referred to the total weight of the consumer product.

~~12.~~11. The consumer product according to one of claims 1 to ~~11~~10, comprising from 0.00001 to 0.005 wt.-%, more particularly from 0.00005 to 0.001 wt.-%, still more particularly from 0.00008 to 0.0005 wt.-% free chitosan, referred to the total weight of the consumer product.

~~13.~~12. A method for making a consumer product, in particular a consumer product according to one of claims 1 to ~~12~~11, comprising the steps of:

- Providing a plurality of microcapsules, the microcapsules comprising a core and a shell around the core, the core comprising at least one functional material;

- Providing a dispersing medium;
- Dispersing the microcapsules in the dispersing medium;
- Coating the plurality of core-shell microcapsules with chitosan to obtain a plurality of coated core-shell microcapsules;
- Adding additional free chitosan to the dispersing medium.

~~14.~~13. A method for enhancing the deposition and rinse resistance of a plurality of microcapsules dispersed in a dispersing medium, in particular contained in a consumer product, on a surface, in particular on a keratinous surface, the microcapsules comprising a core and a shell around the core, the core comprising at least one functional material, the method comprising the steps of:

- Coating the plurality of core-shell microcapsules with chitosan to obtain a plurality of coated core-shell microcapsules;
- Adding additional free chitosan to the dispersing medium, wherein the free chitosan comprised in the dispersing medium has a deacetylation grade higher than 60%, more particularly higher than 70%, still more particularly higher than 80%.

~~15.~~14. Use of chitosan for enhancing the deposition and rinse resistance of a plurality of microcapsules on a surface, in particular on a keratinous surface, the microcapsules comprising a core and a shell around the core, the core comprising at least one functional material, the microcapsules being dispersed in a dispersing medium, in particular contained in a consumer product, in particular in a method according to ~~one of~~ claim~~s 13 to 14~~12 or 13, by coating the plurality of microcapsules with chitosan to obtain a plurality of coated microcapsules and adding additional free chitosan to the dispersing medium.