Claims

[Claim 1.] A formulation for treatment of hair loss comprising:

a. at least one tocotrienol;

b. an extract of *Serenoa repens* fruit; and

c. tripeptide Gly-Xaa-Yaa whereby Xaa or Yaa are either Proline or Hydroxyproline, wherein the formulation comprises 100mg or less of the extract of *Serenoa repens* fruit.

[Claim 2.] The formulation according to claim 1, wherein the at least one tocotrienol comprises any one of γ-tocotrienol, δ-tocotrienol, tocotrienol-rich fraction (TRF), or mixtures thereof.

[Claim 3.] The formulation according to claim 1 or 2, wherein the extract of *Serenoa repens* fruit comprises an oily extract of the fatty portion of dried berries or a lipid/sterol extract of saw palmetto fruit.

[Claim 4.] The formulation according to any one of claims 1 to 3, wherein the formulation comprises 50mg to 90mg of the extract of *Serenoa repens* fruit.

[Claim 5.] The formulation according to any one of claims 1 to 4, further comprising at least one additional component comprising keratin composition, biotin or a combination thereof.

[Claim 6.] The formulation according to claim 5, wherein the at least one tocotrienol comprises a tocotrienol-rich fraction (TRF), the extract of *Serenoa repens* fruit comprises an oily extract of the fatty portion of dried berries and the other component comprises tripeptide Gly-Xaa-Yaa wherein the Xaa and Yaa are proline or hydroxyproline.

[Claim 7.] The formulation according to claim 5, wherein the at least one tocotrienol comprises a tocotrienol-rich fraction (TRF), the extract of *Serenoa repens* fruit comprises an oily extract of the fatty portion of dried berries and the other component comprises keratin composition.

[Claim 8.] The formulation according to claim 5, wherein the at least one tocotrienol comprises a tocotrienol-rich fraction (TRF), the extract of *Serenoa repens* fruit comprises an oily extract of the fatty portion of dried berries and the other component comprises biotin.

[Claim 9.] The formulation according to claim 5, wherein the at least one tocotrienol comprises a tocotrienol-rich fraction (TRF), the extract of *Serenoa repens* fruit comprises an oily extract of the fatty portion of dried berries and the other component comprises a combination of tripeptide Gly-Xaa-Yaa wherein the Xaa and Yaa are proline or hydroxyproline; keratin composition and biotin.

[Claim 10.] The formulation according to any one of claims 1 to 9, further comprising a carrier.

[Claim 11] The formulation of claim 1, further comprising a keratin composition, a biotin and a carrier.

[Claim 12.] A non-therapeutic method of treating hair loss in a subject in need of treatment comprising administering a formulation according to any one of claims 1 to 11.

[Claim 13.] Use of the formulation comprising a tocotrienol-rich fraction (TRF), an oily extract of the fatty portion of dried berries of *Serenoa repens* fruit, a tripeptide Gly-Xaa-Yaa wherein the Xaa and Yaa are proline or hydroxyproline; keratin composition, biotin and a carrier in a ratio of 2:2:1:1:1:4 on a weight basis in the manufacture of a medicament for the treatment of alopecia, wherein the formulation comprises 100mg or less of the extract of *Serenoa repens* fruit.

[Claim 14.] A method of manufacturing a formulation for treatment of hair loss comprising:

a. extracting an oily fraction of the fatty portion of dried *Serenoa repens* fruit;

b. combining at least one tocotrienol to the extract resulting in the formulation; and

c. adding a tripeptide Gly-Xaa-Yaa wherein the Xaa and Yaa are proline or hydroxyproline, wherein the formulation comprises 100mg or less of the extract of *Serenoa repens* fruit.

[Claim 15.] The method according to claim 14, wherein the at least one tocotrienol comprises any one of γ-tocotrienol, δ-tocotrienol, tocotrienol-rich fraction (TRF), or mixtures thereof.

[Claim 16.] The method according to claim 14 or 15, wherein the extract of *Serenoa repens* fruit comprises an oily extract of the fatty portion of dried berries or a lipid/sterol extract of saw palmetto fruit.

[Claim 17.] The method according to claim 14 or 16, wherein formulation comprises 50mg to 90mg of the extract of *Serenoa repens* fruit.

[Claim 18.] The method according to any one of claims 14 to 17, wherein at least one additional component is added to the formulation, wherein the least one additional component comprising keratin composition, biotin or a combination thereof.

[Claim 19.] The method according to any one of claims 14 to 18, further comprising adding a carrier.