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 ~~comprises 100mg or less~~.

[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 ~~11~~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 ~~10~~11.

[Claim ~~12~~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 ~~13~~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 ~~14~~15.] The method according to claim ~~13~~14, wherein the at least one tocotrienol comprises any one of γ-tocotrienol, δ-tocotrienol, tocotrienol-rich fraction (TRF), or mixtures thereof.

[Claim ~~15~~16.] The method according to claim ~~13~~ 14 or ~~14~~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 ~~16~~17.] The method according to claim ~~13~~ 14 or ~~15~~16, wherein formulation comprises 50mg to 90mg of the extract of *Serenoa repens* fruit ~~comprises 100mg or less~~.

[Claim ~~17~~18.] The method according to any one of claims ~~13~~ 14 to ~~16~~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 ~~18~~19.] The method according to any one of claims ~~13~~ 14 to ~~17~~18, further comprising adding a carrier.