CLAIMS

What is claimed is:

1. A keratin protein cosmetic composition comprising:

at least one keratin protein selected from the group consisting of alpha-keratose, gamma-keratose, alpha-kerateine, and gamma-kerateine; and

at least 50% water based on the total weight of the cosmetic composition,

wherein the keratin protein is not denatured and maintains natural keratin protein conformation.

2. The keratin protein cosmetic composition of claim 1, wherein the keratin protein comprises at least 30% alpha-keratose.

3. The keratin protein cosmetic composition of claim 1, further comprising one or more of pink pomelo, hydrolyzed quinoa, artichoke leaf, vitamin A, vitamin C, vitamin B1, zinc, gotu kola, tapioca starch, kaolin clay, pea protein, phospholipids, brown algae, silica silylate, hydrated silica, asiaticoside/madecassoside, panthenol, cypress, baobab seed oil, or any combination thereof.

4. The keratin protein cosmetic composition of claim 1 in the form of an aqueous solution, powder, lotion, hydrogel, oil, emulsion, paste, polish or cream.

5. The keratin protein cosmetic composition of claim 1, wherein the composition is formulated as a hair care product, body wash, shampoo, conditioner, moisturizer, deodorant, anti-aging/skin repair preparation, cleanser, toner, eye care composition, lip care composition, fingernail care composition, toenail care composition, scalp care composition, sun care composition, hand care composition, or body care composition.

6. The keratin protein cosmetic composition of claim 1, wherein the keratin protein is present in an amount of 0.01% to 10% based on the total weight of the cosmetic composition.

7. The keratin protein cosmetic composition of claim 1, wherein at least 30% of the keratin protein exhibits a molecular weight of at least 443 KDa.

8. A method for reducing hair breakage comprising the steps of:

administering the keratin protein cosmetic composition of claim 1 to a surface of the hair in need of treatment; and

rinsing the hair to remove any excess keratin protein cosmetic composition thereby increasing hair thickness and hair volume to reduce hair breakage.

9. The method of claim 8, wherein the hair breakage is reduced by at least 40% after one administration.

10. A method of reducing hair frizziness comprising the steps of:

administering the keratin protein cosmetic composition of claim 1 to a surface of the hair in need of treatment; and

rinsing the hair to remove any excess keratin protein cosmetic composition thereby causing the hair to exhibit less frizz.

11. The method of claim 10, wherein the hair frizziness is reduced by at least 40%.

12. A method of reducing or mending hair split ends comprising the steps of:

administering the keratin protein cosmetic composition of claim 1 to a surface of the hair in need of treatment; and

rinsing the hair to remove any excess keratin protein cosmetic composition thereby resulting in split end mending or reducing the number of split ends.

13. The method of claim 12, wherein at least 80% of the treated split end hair is completely mended according to the formula:

$$\% \text{ mended} = \frac{[\#\text{ of mended fibers} + \#\text{ of partially mended fibers}]}{\text{Total \# of split end fibers taken initially.}} \times 100$$

14. A method of hardening and strengthening the nails of a mammal comprising the step of applying the cosmetic composition of claim 1 topically to contact and coat all exposed surfaces of the nails in need of treatment to increase the hardness and strength of the nails.

15. The method of claim 14, further comprising the steps of:

maintaining the keratin protein cosmetic composition in contact with the nail.

16. A method of repairing or strengthening the skin of a mammal comprising the step of applying the cosmetic composition of claim 1 topically to contact and coat all exposed surfaces of the skin in need of treatment thereby repairing or strengthening the skin of the mammal.

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17. The method of claim 16, further comprising the steps of:
maintaining the keratin protein cosmetic composition in contact with the skin.