

CLAIMS

What is claimed is:

1. A pongamia composition, comprising:
karanjin or pongamol, or both;
tannins;
digestible proteins;
carbohydrates;
antioxidants; and
minerals,

wherein the composition has:
 - (i) a karanjin content, if present, of less than or equal to 100 ppm;
 - (ii) a pongamol content, if present, of less than or equal to 100 ppm; and
 - (iii) a tannin content of less than or equal to 0.5% w/w.
2. The composition of claim 1, wherein the composition has a tannin content of less than or equal to 0.1 w/w%.
3. The composition of claim 1 or 2, wherein the composition is in the form of meal.
4. The composition of claim 1 or 2, wherein the composition is in the form of flour.
5. A method of preparing a pongamia composition according to any one of claims 1 to 4, comprising:
heating pongamia oilseeds at a temperature between 25°C and 200°C for a suitable time to provide treated oilseeds;
dehulling the treated oilseeds to produce dehulled oilseeds;
mechanically pressing the dehulled oilseeds to produce a deoiled seedcake;
combining the deoiled seedcake with solvent to provide an extraction mixture, wherein the solvent comprises alkyl alkanoate or alcohol, or any combination thereof; and
separating the extraction mixture into a miscella and the pongamia composition.
6. The method of claim 5, wherein the mechanical pressing is performed by an expeller.

7. The method of claim 5, wherein the mechanical pressing is performed by an expander.
8. A method, comprising: feeding a pongamia composition according to any one of claims 1 to 4 to a non-ruminant animal.
9. The method of claim 8, wherein the non-ruminant animal is a human.
10. The method of claim 8, wherein the non-ruminant animal is poultry.
11. The method of claim 10, wherein the poultry is a chicken.
12. A poultry feed, comprising:
a base feed; and
a pongamia composition according to any one of claims 1 to 4.
13. A poultry feed, comprising:
corn;
a soybean supplement; and
a pongamia composition according to any one of claims 1 to 4.
14. A food composition, comprising:
a pongamia composition according to any one of claims 1 to 4.
15. The food composition of claim 14, wherein the food composition is a confection, condiment, cereal composition, baked good, baking good, cooking adjuvant, dairy product, dietary supplement, tabletop sweetener composition beverage, or other beverage product.