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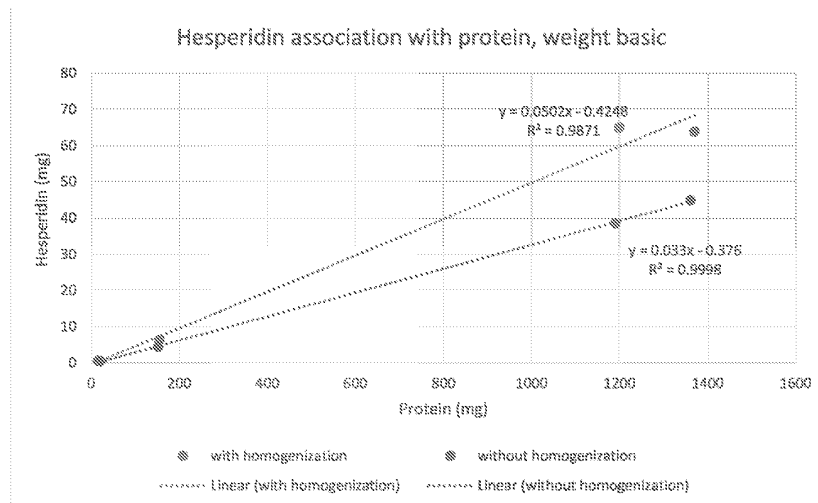


FIG. 1

(57) Abstract: A method of forming a heat-treated liquid nutritional composition having a neutral pH and comprising a water-insoluble plant flavonoid comprises providing an aqueous liquid nutritional composition having a pH of from about 6 to about 7.5 and comprising protein, fat, carbohydrate, and water-insoluble plant flavonoid, homogenizing the liquid nutritional composition at a pressure of at least about 2000 psi, and heat treating the liquid nutritional composition. A heat-treated liquid nutritional composition having a pH of from about 6 to about 7.5 comprises a water-insoluble plant flavonoid, protein, fat and carbohydrate. At least about 75 wt % of the water-insoluble plant flavonoid remains suspended throughout the liquid nutritional composition after two months of storage at room temperature.

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