

(54) Title of the invention : PLANT EXTRACT FROM PUNICA GRANATUM LEAVES HAVING BIOCHEMICAL COMPONENTS AND MINERAL CONTENT AND PREPARATION THEREOF

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(57) Abstract :

The present invention provides a plant extract obtained from Punica granatum leaves. The plant extract obtained from Punica granatum leaves is a methanolic extract. The plant extract, wherein the fresh and dry leaves of Punica granatum contain dry matter or moisture, protein, fat, carbohydrate and mineral element or ash; wherein the fresh and dry leaves of Punica granatum contain minerals having %Transmission of sodium 56 and 62; %Transmission for potassium 69 and 54; %Transmission for magnesium 56 and 45; and %Transmission for calcium 31 and 25 respectively. The present invention provides a process for the preparation of plant extract from Punica granatum leaves. The process for the preparation, comprising of collecting 200gm of the fresh leaves and soaking in water to remove dirt; drying the soaked leaves of under the sun for 2 days; grounding the leaves and powdering using 40 mesh and storing in a cool dry place; weighing 2gm of leaf powder and adding 80ml of methanol and place it for soaking for 72hrs; mixing the solution in every 24 hours for proper soaking; filtering the solution with the Whatman filter paper; evaporating and collecting the filtrate and storing the crude extract in an amber-colored bottle away from light. The biochemical components and minerals present in Punica granatum leaves extract are useful as a sustainable and cost-effective solution for supplement production.

No. of Pages : 15 No. of Claims : 3