

(54) Title of the invention : COCOS NUCIFERA (COCONUT) HUSK ASH AS ANTHELMINTIC DRUG SUBSTANCE

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(57) Abstract :

The present invention relates to the evaluate anthelmintic activity of its husk ash using adult earth worm Pheretima posthuma and Haemonchus contortus. In this work, a novel method is used to prepare the ash powder and to study the physical and chemical properties of coconut Shell Ash. Coconut Shell Ash particles were prepared in open fire hearth. Physical properties such as pH, ash content, moisture content, loss on ignition, density, surface area, pore volume and pore dia were studied. Chemical characterization study is carried out for chemical composition analysis, elements present and functional groups present. The result shows that the Ash of the epicarp of coconut fruits tested for the anthelmintic activity possessed highly significant activity in a dose dependent manner as compared to the Piperazine citrate. This ash has some active inorganic constituents which are quite active against intestinal parasites.

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