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(57) Abstract :

The present invention relates to the development of irrigating solutions with extracts of Cocos nucifera against the Enterococcus faecalis, Prevotella intermedia and Porphyromonas gingivalis. It specifically relates to the development of irrigating solutions with ethanolic extracts of husk of Cocos nucifera against the Enterococcus faecalis, Prevotella intermedia and Porphyromonas gingivalis. The invention also pertains to the development of process for preparation of irrigating solutions with ethanolic extracts of Cocos nucifera against the Enterococcus faecalis, Prevotella intermedia and Porphyromonas gingivalis. Process for preparation of irrigating solution composition with Cocos nucifera against the Enterococcus faecalis, Prevotella intermedia and Porphyromonas gingivalis comprising: a) drying of the husk of Cocos nucifera; b) grinding the dried husk of step (a) to prepare powdered form; c) then extracting the powdered form of step (b) with ethanol to obtain the ethanolic extract; d) ethanolic extract of step (c) is complexed with (2 - Hydroxypropyl)- $\beta$ -cyclodextrin; and e) complex formed at step (d) is then mixed with excipients to form the irrigating solution composition. Irrigating solution composition against the Enterococcus faecalis, Prevotella intermedia and Porphyromonas gingivalis comprising the effective concentration of extract of Cocos nucifera and other excipients.

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