

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241005194 A

(19) INDIA

(22) Date of filing of Application :31/01/2022

(43) Publication Date : 11/02/2022

(54) Title of the invention : A PROCESS OF PREPARATION OF NANOMINERAL SUPPLEMENT ORAL DISPERSIBLE FILM FOR AUGMENTING PRODUCTIVITY IN CATTLE AND PRODUCT THEREOF

(51) International classification :C08J0005180000, A23K0020200000, A61K0009000000, B82Y0030000000, A61K0047360000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

TITLE: A PROCESS OF PREPARATION OF NANOMINERAL SUPPLEMENT ORAL DISPERSIBLE FILM FOR AUGMENTING PRODUCTIVITY IN CATTLE AND PRODUCT THEREOF APPLICANT: DR. K. GEETHA AND DR.N.ARULNATHAN ABSTRACT The present invention discloses a process of preparation of nano mineral supplemental oral dispersible film for augmenting productivity in cattle. The process of the present invention comprises of following steps; a. preparing a polymer solution comprises of mixing predetermined amounts of sodium alginate, glycerol, sweetening agent and water; b. preparing a nano mineral solution comprising of mixing predetermined concentrations of aqueous solutions of Nano zinc oxide, Nanocopper methionine, Nano seleno methionine, Nano dicalcium Phosphate and cobalt chloride; c. preparing a film dope comprising of mixing the polymer solution and nano mineral solution; d. subjecting the film dope to solvent casting to form a film followed by peel of the film to obtain nano mineral supplemental oral dispersible film. The present invention also discloses a nano mineral supplemental oral dispersible film for augmenting productivity in cattle, prepared by the process described above.

No. of Pages : 23 No. of Claims : 8