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Coating Solutions: Study of Rheology Behavior

Authors : D. Abid, A. Guettar, A. Toubane, A. Bouda, K. Daoud

Abstract : The aim of this work is to study coating formulations rheology. Fourteen solutions were prepared with Hydroxypropyl methylcellulose (HPMC) percentage which varies from 2 to 20 %, Ethyl cellulose (EC) percentage varying from 1 to 3 % and Titanium dioxide (TiO2) percentage which vary from 1 to 3%, Opadry solution (25%) was used as a reference for this study. Two behaviors appeared obviously 'pseudo plastic' and 'dilatant' related to the percentage of HPMC, this allowed us to define that HPMC is the polymer which influence the behavior of coating solutions.

Keywords : rheology, opadry, HPMC, B1-B6 tablets
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