



ABSTRACT

PROCESS FOR THE PREPARATION OF SUPERABSORBENT
POLYACRYLATES HAVING A LOW RESIDUAL
MONOMER CONTENT

In the preparation of superabsorbent powders consisting of partially neutralised polyacrylic acid, according to a process comprising the formation of a gel by a first polymerisation in inverse suspension and at least one polymerisation of a supplementary charge of monomer after its absorption by the gel formed in the first place, and a sequence of isolating the polymer, which sequence comprises an azeotropic dehydration and a drying, a certain amount of hydrogen peroxide is introduced between the dehydration and the drying, and this has the result of reducing the residual monomer content of the final product to less than 50 ppm.