

a 2020 0031

The invention relates to a process for oxidation of pectin to increase the ion-exchange capacity of pectins, which can be used in medicine as enterosorbents for removing heavy and radioactive metal ions.

The process for oxidation of pectin consists in the homogenization of pectin in 35% hydrogen peroxide and bubbling of a mixture of ozone and oxygen with an ozone concentration of 5%, in a ratio of 20 g of pectin per 200 mL of hydrogen peroxide, with a mixture bubbling rate of 10 L/min for 60 min.

Claims: 1

Fig.: 1