

ABSTRACT

SHAPED ARTICLE MADE OF POROUS HYDROGEL, MANUFACTURING PROCESS
THEREFOR AND USE THEREOF

5

There is provided a shaped article made of porous hydrogel
that contains a polyvinyl alcohol acetalized with a dialdehyde,
wherein the shaped article after freeze-drying has a pore size of
0.1 to 50 μm . Preferably, the shaped article made of porous hydrogel
10 further contains a water-soluble polysaccharide. Also preferably,
an acetalization degree of the polyvinyl alcohol is 1 to 50 mol%.
Also preferably, the shaped article made of porous hydrogel is in
the form of particles with a sphere-equivalent diameter of 1 to
20 mm. Such a shaped article made of porous hydrogel exhibits high
15 strength and good survivability of microorganisms.

FIG. 4