

PRODUCTION METHOD FOR PENTOSAN POLYSULFATE

ABSTRACT

5 The present invention provides a method for producing
pentosan polysulfate, the method including a first step of
obtaining an acidic xylooligosaccharide from a plant-derived raw
material, and a second step of obtaining pentosan polysulfate
from the acidic xylooligosaccharide. The first step includes a
10 step of depolymerizing the plant-derived raw material. The second
step includes a step of sulfating the acidic xylooligosaccharide.
The method further includes a deacetylation step of adding a base
to achieve a pH of 11 or higher. The deacetylation step is a step
performed after the depolymerization step. The production method
15 of the present invention can provide pentosan polysulfate having
a low acetyl group content, and also produce pentosan polysulfate
with a high yield inexpensively and efficiently.

[No Suitable Figure]