

ACRYLIC ACID-BASED COPOLYMER, METHOD FOR PRODUCING SAME AND WATER TREATMENT AGENT

ABSTRACT

The present invention is an acrylic acid-based copolymer having a structural unit (x) derived from acrylic acid or a sodium salt thereof, and a structural unit (y) derived from 2-acrylamido-2-methylpropanesulfonic acid or a sodium salt thereof. Content ratio of the structural unit (x) and the structural unit (y) is respectively 35% to 90% by mass and 10% to 65% by mass based on 100% by mass of a total content of the structural unit (x) and the structural unit (y) in the acrylic acid-based copolymer. The acrylic acid-based copolymer has a weight average molecular weight (Mw) of 2,000 to 30,000, and includes an acrylic acid-based copolymer having a molecular weight of 70,000 or more in an amount of 0.30% or less by mass based on a total amount of polymers.

[FIG.1]