

MICROORGANISM CONTAMINATION PREVENTION METHOD FOR WATER SYSTEM

ABSTRACT

5 A method for preventing microorganism contamination in a water system containing a
reducing agent, said microorganism contamination prevention method for a water system being
characterized by adding a stabilized chlorine-based oxidizing agent composed of a chlorine-based
oxidizing agent and a sulfamic acid compound, with the ratio of the sulfamic acid compound
relative to 1 mol effective chlorine of the chlorine-based oxidizing agent being 1-1.5 mol, and/or
10 a stabilized bromine-based oxidizing agent composed of a bromine-based oxidizing agent and a
sulfamic acid compound, with the ratio of the sulfamic acid compound relative to 1 mol effective
chlorine conversion amount of the bromine-based oxidizing agent being 1-1.5 mol, to the water
system, such that the addition concentration of the stabilized chlorine-based oxidizing agent and/or
the stabilized bromine-based oxidizing agent relative to the reducing agent concentration in the
15 water system is 2.5 times or more by molar ratio.

FIG. 1