# CLAIMS

1. A slime inhibition method for a separation membrane, the method comprising:

incorporating at least one of: a stabilized hypobromous acid composition comprising a reaction product of a bromine-based oxidizing agent and a sulfamic acid compound; or a stabilized hypobromous acid composition comprising a reaction product of a sulfamic acid compound with a reaction product of a bromine compound and a chlorine-based oxidizing agent, in a feed water or a wash water supplied to a membrane separation device containing the separation membrane

wherein the separation membrane is a polyamide-based polymer membrane.

2. The slime inhibition method for a separation membrane according to Claim 1, wherein

the membrane separation device comprises an RO membrane as the separation membrane, and

a pH of a feed water supplied to the membrane separation device is 5.5 or higher.

3. The slime inhibition method for a separation membrane according to any one of Claims 1 to 2, wherein

a bromate concentration in the stabilized hypobromous acid composition is less than 5 mg/kg.

4. The slime inhibition method for a separation membrane according to any one of Claims 1 to 3, wherein

the stabilized hypobromous acid composition comprises a reaction product of a bromine-based oxidizing agent and a sulfamic acid compound, further wherein the bromine-based oxidizing agent is bromine.