CLAIMS

1. A method of removing soluble manganese comprising:

a mixing step of mixing water for treatment, activated carbon micropowder having an average particle size of not less than 0.1 μm and not more than 10 μm, and an oxidizing agent to obtain a water/activated carbon mixture; and

a membrane filtration step of membrane filtering the water/activated carbon mixture to obtain treated water, wherein

the activated carbon micropowder is added after the oxidizing agent has been added to the water for treatment in the mixing step, and

residence time from a point at which the oxidizing agent is added until a point at which the membrane filtration step ends is not less than 1 minute and not more than 30 minutes.

2. The method of removing soluble manganese according to claim 1, wherein an input amount of the activated carbon micropowder in the mixing step is not less than 0.5 mg/L and not more than 30 mg/L.

3. The method of removing soluble manganese according to claim 1 or 2, wherein

the oxidizing agent is a chlorine-containing oxidizing agent, and

the method of removing soluble manganese further comprises an oxidizing agent input amount determination step of determining an input amount of the oxidizing agent such that residual chlorine concentration in the treated water is 1 mg/L or less.