CLAIMS

1. A method of producing a separation membrane comprising:

a seed crystal adhesion step of adhering zeolite seed crystals to a porous support formed of stainless steel to obtain a seed crystal-bearing support; and

a separation layer formation step of forming a porous separation layer formed of a zeolite on the seed crystal-bearing support, wherein

the stainless steel has a contact angle with water of 90° or more,

the seed crystal adhesion step includes bringing the zeolite seed crystals and a solvent having a contact angle with the stainless steel of 30° or less into contact with the porous support, and

the porous support is wetted with the solvent, and the zeolite seed crystals are subsequently rubbed against the porous support to obtain the seed crystal-bearing support in the seed crystal adhesion step.

2. The method of producing a separation membrane according to claim 1, wherein the solvent includes an alcohol having a carbon number of 5 or less.

3. The method of producing a separation membrane according to claim 1 or 2, wherein the solvent has a purity of 95 volume% or higher.