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, ~~and~~

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~~.~~

~~2. The method of producing a separation membrane according to claim 1, wherein~~ 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.

~~3. The method of producing a separation membrane according to claim 1, wherein the porous support and a slurry composition containing the zeolite seed crystals and the solvent are brought into contact to obtain the seed crystal-bearing support in the seed crystal adhesion step.~~

~~4~~2. The method of producing a separation membrane according to ~~any one of~~ claim~~s~~ 1 ~~to 3~~, wherein the solvent includes an alcohol having a carbon number of 5 or less.

~~5~~3. The method of producing a separation membrane according to ~~any one of~~ claim~~s~~ 1 or~~to~~ 2~~4~~, wherein the solvent has a purity of 95 volume% or higher.