CLAIMS

1. A gas treatment method comprising:

bringing a gas containing a bromofluoroethylene into contact with an adsorbent having pores with an average pore diameter of 1 nm or more and 4 nm or less in a temperature environment of not less than 0°C and less than 120°C to allow the adsorbent to adsorb the bromofluoroethylene, and

separating the bromofluoroethylene from the gas.

2. The gas treatment method according to claim 1, wherein the bromofluoroethylene is at least one of bromotrifluoroethylene, 1-bromo-2,2-difluoroethylene, (E)-1-bromo-1,2-difluoroethylene, (Z)-1-bromo-1,2-difluoroethylene, 1-bromo-1-fluoroethylene, (E)-1-bromo-2-fluoroethylene, (Z)-1-bromo-2-fluoroethylene, 1,1-dibromo-2-fluoroethylene, (E)-1,2-dibromo-2-fluoroethylene, (Z)-1,2-dibromo-2-fluoroethylene, and tribromofluoroethylene.

3. The gas treatment method according to claim 1 or claim 2, wherein the gas containing a bromofluoroethylene is a mixed gas of the bromofluoroethylene and an inert gas.

4. The gas treatment method according to claim 3, wherein the inert gas is at least one of nitrogen gas,

helium, argon, neon, and krypton.

5. The gas treatment method according to any one of claims 1 to 4, wherein the gas containing a bromofluoroethylene contains the bromofluoroethylene at a content of less than 25% by volume.

6. The gas treatment method according to any one of claims 1 to 5, wherein the adsorbent is at least one of zeolite and activated carbon.

7. The gas treatment method according to any one of claims 1 to 6, wherein the temperature environment is 0°C or more and 100°C or less.

8. The gas treatment method according to any one of claims 1 to 6, wherein the temperature environment is 0°C or more and 70°C or less.

9. The gas treatment method according to any one of claims 1 to 8, wherein the average pore diameter is 2.5 nm or more and 4 nm or less.

10. A gas treatment device comprising:

an adsorption treatment container containing an adsorbent having pores with an average pore diameter of 1 nm or more and 4 nm or less, wherein

the adsorption treatment container includes an inlet through which a gas containing a bromofluoroethylene is fed and an outlet through which a treated gas after adsorption treatment of the gas containing a bromofluoroethylene with the adsorbent is discharged from an inside of the adsorption treatment container to an outside.

11. The gas treatment device according to claim 10, wherein the average pore diameter is 2.5 nm or more and 4 nm or less.