

[Abstract]

Provided is an absorption method of an element belonging to periods 4 to 6 and groups 3 to 15 of the periodic table. The method includes: preparing mesoporous alumina that satisfies at least one of the following items:

- (1) a surface hydroxyl content is 3.5 mmol/g or more;
- (2) a low-temperature CO₂ desorption amount in CO₂ thermal desorption amount spectrometry is 5 μmol/g or more; and
- (3) a low-temperature NH₃ desorption amount in NH₃ thermal desorption amount spectrometry is 25 μmol/g or more; and

bringing a liquid containing an absorption target element in contact with the mesoporous alumina to absorb the absorption target element in the mesoporous alumina. The absorption target element is at least one type selected from the group consisting of an element belonging to periods 4 to 6 and groups 3 to 15 of the periodic table.

No Figure