

ABSTRACT OF THE DISCLOSURE

[Problems] To provide a column-use adsorbent having an excellent balance of adsorption capacity and durability, and an adsorption apparatus.

[Means to solve problems] A column-use adsorbent made of powder of a porous particle group of hydroxyapatite or fluoroapatite formed by replacing at least part of a hydroxyl group of hydroxyapatite with fluorine atom, the porous particle group being a group of a plurality of porous particles having different particle sizes, the porous particle group meeting the condition of $D_{Av} \times 45/100 \leq D_{10} \leq D_{Av} \times 75/100$, in which D_{Av} (μm) is an average particle size, and D_{10} (μm) is a particle size at which a cumulative volume of the porous particles from the small size side based on a particle size distribution is 10%.