

Adsorption characteristics of sulfur compounds on KOH impregnated activated carbon

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Activated carbons are known to be very good adsorbents and are commonly used in many fields: filtration, purification, deodorization. To improve their fixation capacity toward sulfur compounds the activated carbons are impregnated in an aqueous solution of potassium hydroxide. Physical properties of the potassium hydroxide impregnated activated carbons were characterized by N₂ adsorption experiment. Adsorption dynamics of sulfur compounds on potassium hydroxide impregnated activated carbon were investigated.