

Method for obtaining organosilicon sorbent based on methylsilicic acid hydrogel (MSAH) of the general formula: $\{(\text{CH}_3\text{SiO}_{1.5}) \cdot n\text{H}_2\text{O}\}_\infty$ involves adding strong acid solution to sodium methyl siliconate solution to form product, followed by curing, grinding, activating product by adding diluted strong acid solution, and washing product until neutral reaction, wherein aqueous solution of sulfuric acid cooled to 0-5 °C is slowly added to aqueous solution of sodium methylsiliconate cooled to -5-0 °C under constant stirring; mixture is left to cure for 30-90 minutes under gradual heating to room temperature; resulting mixture is diluted with water, resulting MSAH is ground, and it is cured for another 20-50 minutes for phase separation; water is drained, after which MSAH is activated with acid, washed with water, and dried.