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The invention relates to a process for obtaining a catalyst for water purification from organic compounds and may be used in the sterilization and degasification of aqueous solutions for food industry.
The process includes utilization of the montmorillonitetype clay, purification thereof from quartz and cristobalite by repeated sedimentation into a bath with ultrasound and from organic inclusions by calcination at the temperature of 450°C during 3 hours in the airflow, with modification thereof in the salt solution by ion exchange with cations, at the same time it is used clay with cationexchange capacity of 1,10...1,15 mgequiv./g, and modification is carried out by impregnation of the purified clay with 1M solution of Na^{+} salts or one of the transition metals, namely Fe^{+2}, Co^{+2}, Ni^{+2}, Cu^{+2}, in the ratio, respectively, of 1:25, by agitation during 4...5 hours, with repeated dialysis in deionized water at the room temperature, then the clay is centrifugated and dried at 60^{o}C during 10...12 hours.

Claims: 1
Fig.: 2