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The invention relates to processes for biochemical anaerobic-aerobic treatment of sewage waters from organic compounds and may be used at the purification works in the wine and food industry.

The proposed process includes the anaerobic treatment of sewage waters with application of fixed microflora and aerobic second-stage treatment thereof at their aeration. At the same time, at the anaerobic treatment into the sewage waters there is additionally added a mixture of carbon dioxide obtained at the alcoholic fermentation of the wine stock and of hydrogen obtained at diaphragm electrolysis of the aqueous solution of sodium hydroxide, taken in the mass ratio of 1:(0,05…0,10). The aeration is carried out with air enriched with oxygen, obtained at diaphragm electrolysis of the aqueous solution of sodium hydroxide. For carrying out the diaphragm electrolysis there is used 20…22% aqueous solution of sodium hydroxide in the cathode and anode areas ratio of 1:1 and the current density of 1…5 A/dm^2.

The result of the invention consists in increasing the efficiency of treatment, as well as in raising the biogas yield.

Claims: 1
Fig.: 3