

**99-0087**

The invention relates to the wine-making industry, especially to processes for demetallization of alcoholic drinks and juices by means of adsorbents.

Summary of the invention consists in the fact that it is proposed a process for demetallization of rough wines, which includes treatment thereof with sorbents preliminarily activated by acid treatment, where in the capacity of sorbent is used utilized kieselgur, which remains as waste during clarification of the must, modification thereof by treatment with 5...10% sulfuric acid solution with the subsequent separation of the solid fraction by decantation and its subsequent neutralization with calcium carbonate and thermal treatment in an anoxic medium with carbon dioxide at a temperature of 420...450°C during 1...2 hours and the demetallization process is carried out in dynamic conditions of rough wines filtration through a layer of the modified kieselgur with the flux speed of 0,1...0,2 m/min.

The technical result consists in increasing the efficiency of the process for demetallization of rough wines with an increased content of compounds of heavy metals at the expense of increasing the selectivity and sorbtion capacity of the modified sorbent about metals.