

The invention relates to the field of processing and utilization of the wine industry waste for tartaric acid obtaining, which may be used in the chemical, pharmaceutical and food industry, as well as in radio engineering and electronics.

The process includes the tartrates dissolution in water, filtration of the solution, the ion-exchange extraction of the tartaric acid and crystallization thereof, at the same time the tartrates dissolution is carried out by treatment of the secondary wine-making products, with the exception of vinasse, with hydrochloric acid, as extractant being used a highly basic anionite from the group of secondary amines in polar solvent, the tartaric acid extraction from the aqueous solution is carried out by treatment thereof with said anionite in continuous counterflow-pulse conditions, separation of the phases, treatment of the organic phase with hydrochloric acid up to pH 2,5... 3,0, and from the resulted aqueous solution the tartaric acid is crystallized by azeotropic distillation of the water with paraxylene. In the capacity of anionite is used Amberlite LA-2, and as polar solvent - butyl acetate.

The result of the invention consists in enhancing the effectiveness of the process for tartaric acid obtaining, in increasing the purity degree of the obtained product - 99,1%, in reducing the consumption of chemical reagents and in enlarging the raw material base.

Claims: 3