

97-0242

The invention relates to the analytical chemistry, particularly, to the method for nitrate ions control.

The aim of the invention consists in the sensitivity increasing. This aim is achieved by the nitrate ions reduction with the mixture of the zinc dust, manganese sulfate and cadmium sulfate in the mass relation (0.5-1.0):(50-75):(85-100) at pH 5.0-6.5; introduction of the mixture of the sulfanyl acid and α -naphthylamine with further absorbance measuring the obtained colored compound.

The sensitivity of the nitrate ions determination in the proposed method reaches to 0.02 mg/dm³, what is 5 times more than in the prototype method.

Claims: 1