

**94-0345**

The invention relates to the analytical chemistry, in particular, determination of phosphororganic insecticides into the tobacco raw material and vegetable materials. The purpose consists in increasing the precision and reducing the time of the analysis. The latter is made by raw material extractuon with ethyl ester with the subssequent steaming of ester in the presence of equivoluminal mixture of water and acetone and gaschromatographic analesis of the treated extract. These conditions ensure the detection degree of basudin 90,1-92,11%, heterophos 87,6-89,3%, carbophos 96,3-98,40%, methaphos 87,9-88,55%, rogor 90,5-92,52%, ethaphos 82,8-82,6%.