

Method for determination of perchlorate relates to analytical chemistry and can be used for ecological control of natural and sewage waters. The method is in formation of ion associate of perchlorate with thionine colorant with separation of that one from solution being analyzed with sorption on tablet made of foam-polyurethane and with following measurement of spectrum of diffusion scattering of colored tablet or comparison of color of the to standard color scale. The method provides increase of effectiveness of determination of perchlorate in water medium, simplification of determination and possibility of ecological control in field conditions.