

CONTENT

p.

REVIEWS

Application of X-ray fluorescence analysis to researching the chemical composition of tea and coffee <i>A.G. Revenko, D.S. Sharykina</i>	6
--	---

DEVICES AND METHODS OF CONTROL

GRAND-MP – microwave plasma-atomic emission spectrometer <i>O.V. Pelipasov, V.A. Labusov, A.N. Put'makov, K.N. Chernov, V.M. Borovikov, I.D. Burumov, D.O. Selyunin, V.G. Garanin, I.A. Zarubin</i>	24
---	----

Testing of MAES analyzers with BLPP-2000 and BLPP-4000 photodetector linear arrays in a "Grand-Potok" spectral system <i>A.A. Dzyuba, V.A. Labusov, and S.A. Babin</i>	35
--	----

Shift of the spectral lines of some elements in the plasma radiation of excitation sources of atomic emission spectrometers <i>E.G. Silkis</i>	43
--	----

Grapes cultivar assignments using the identified elements-markers of grape berry and its different constituent parts <i>A.G. Abakumov, V.O. Titarenko, A.A. Khalafyan, Z.A. Temerdashev, A.A. Kaunova</i>	61
---	----

Elemental analysis of iron pentacarbonyl by inductively coupled plasma mass spectrometry <i>M.O. Steshin, A.M. Potapov, A.D. Bulanov, Yu.S. Belozherov, A.I. Suchkov</i>	71
--	----

The method of screening samples for diamonds <i>Boris I. Kitov</i>	78
--	----

Kinetics comparison for the different variants of artificial aging of handwritten strokes by the method of high-performance liquid chromatography with mass-spectrometric detection <i>D.I. Baygildieva, T.M. Baygildiev, O.A. Shpigun, I.A. Rodin</i>	84
--	----

Identification of impurities in special purity selenium using the gas chromatography-mass spectrometry method <i>A.Iu. Sozin, M.F. Churbanov, O.Iu. Chernova, T.G. Sorochkina, G.E. Snopatin, I.V. Skripachev, Iu.A. Lesina</i>	96
---	----

Determination of Catharanthus flower anthocyanins <i>V.I. Deineka, Y.Y. Kulchenko, A.N. Sidorov, I.P. Blinova, S.M. Varushkina, L.A. Deineka, Anh Thi Ngoc Vu</i>	103
---	-----

Compensation of discrimination effects of split injection into capillary columns <i>Igor G. Zenkevich, Eugene Leleev</i>	110
--	-----

Application of a molecularly imprinted polymer based on the polyimide as a piezosensor selective coating for determining the oleic acid in oils <i>Cao Nhat Linh, O.V. Duvanova, A.N. Zyablov</i>	120
---	-----

Control of palm oil content in the mixtures with milk fat by the Differential Scanning Calorimetry (DSC) <i>O.B. Rudakov, I.A. Saranov, K.K. Polansky</i>	127
---	-----

Improving the organic solvents purity for microextraction preconcentration of impurities <i>V.A. Krylov, P.V. Mosygin, L.V. Smirnova, S.A. Bulanova, I.A. Zhituhina, G.V. Pushkarev</i>	136
---	-----

Determination of the total phenol antioxidants content in tea samples using different variations of FRAP assay <i>T.G. Tsypko, N.S. Brilenok, K.S. Guschaeva, V.I. Vershinin</i>	143
--	-----