

ANALYTICS AND CONTROL

2015. Vol. 19, No. 4

CONTENT

p.

REVIEWS

Chromatography methods in the analysis and identification of grape wines Yu.F. Yakuba, Z.A. Temerdashev	288
--	-----

DEVICES AND METHODS OF CONTROL

Decreasing the chromatographic quantitation uncertainty using the external standard and standard addition methods with additional standards Igor G. Zenkevich, Denis V. Prokofiev	302
Determination of polycyclic aromatic hydrocarbons in soil by gas chromatography – mass-spectrometry V.D. Filimonov, G.B. Slepchenko, M.L. Belyanin, A.S. Nartov	310
Determination of icariin in urine by high performance liquid chromatography with tandem mass-spectrometric detection O.A. Shevlyakova, K.J. Vasil'yev, A.A. Ihalaynen, A.M. Antokhin, V.F. Taranchenko, V.M. Goncharov, A.V. Aksenov, D.A. Mitrofanov, I.A. Rodin, O.A. Shpigun.	316
HPLC determination and estimation of gallic acid, catechin, caffeine and epicatechin content in black tea extracts Mareeva D.O., Tsytko T.G., Milevskaia V.V., Temerdashev A.Z.	323
Development of a microchip analytical system with PCR reagents lyophilized into aluminum microchips and modified by the plasma enhanced chemical vapor deposition A.O. Suvorova, P. N. Mashyanov, Y.V. Ashyna, M.N. Slyadnev, A.A. Ganeev	331
X-Ray fluorescence determination of bromine in lake sediments for paleoclimatic studies G.V. Pashkova, E.V. Ivanov, T.S. Aisueva, A.A. Shchetnikov, Yu.N. Markova, A.L. Finkelshtein.	340
X-ray fluorescence determination of Cs, Ba, La, Ce, and Nd concentrations in rocks of various compositions E.V. Khudonogova, D.S. Suvorova, A.G. Revenko	347
The use of silica-titania xerogels for the solid phase spectrophotometric determination of fluoride ions in the artificial saliva M.A. Morosanova, Z.V. Samodelov and E.I. Morosanova	357
Analysis of catalysts by spectrophotometry with partial least-squares method T.Iu. Zheleznova, I.V. Vlasova, A.V. Shilova	363
Spectrophotometric determination of phenolic compounds sum in plants using aluminum chloride, 18-molybdodiphosphate and Folin-Ciocalteu reagents T.A. Denisenko, A.B. Vishnikin, L.P. Tsiganok	373
Analysis of the analytical control rules for the water quality in legal acts A.I. Averbukh, O.M. Rosenthal	381
Validation of methods for quality control of cleaning the pharmaceutical equipment A.V. Yegorova, G.A. Fedosenko, G.V. Maltsev, V.P. Antonovich	387