

CONTENT

p.

REVIEWS

Essential oils: the review of the methods for determining the authenticity and detecting adulteration <i>I.V. Lapko, Yu.U. B. Aksenova, O.V. Kuznecova, S.V. Vasilevskij, A.V. Aksenov, V.F. Taranchenko, A.M. Antohin, A.A. Ihalajnen.</i>	444
---	-----

METHODS AND DEVICES OF ANALYTICAL CHEMISTRY AND ANALYTICAL CONTROL

X-ray fluorescent determination of an element in the multi-component samples <i>B.D. Kalinin</i>	476
--	-----

Evaluation of analytical capabilities of Total Reflection X-ray Fluorescence Spectrometry for the analysis of drinks with sucrose matrix <i>A.S. Maltsev, A. von Bohlen, R.A. Yusupov, S.A. Bakhteev</i>	483
--	-----

The use of salting out for the extraction of hydrophilic biologically active substances from the aqueous solutions for their further chromatographic determination <i>S.M. Leshchev, O.N. Mikhniuk, K.D. Kryzhny, M.F. Zayats</i>	494
---	-----

<i>Lilium pumilum</i> l petal xanthophylls identification problems by the reversed-phase HPLC method with spectrophotometric and mass-spectrometric detections <i>V.I. Deineka, T.G. Burzhynskaya, L.A. Deineka.</i>	501
--	-----

UHPLC-HRMS determination of some human growth hormone-releasing peptides in urine <i>A.Z. Temerdashev, E.V. Dmitrieva, A.A. Azaryan, D.A. Burmikin.</i>	509
---	-----

Identification features of volatile impurities in ethyl alcohol using gas chromatographic retention indices <i>Alena I. Desyatova, Nina G. Kovaleva, Dmitrii A. Ponomarev, Igor G. Zenkevich</i>	517
--	-----

Gas chromatographic determination of silicon fluoride-chlorides $\text{SiCl}_n\text{F}_{4-n}$ ($n = 0 \div 4$) obtained by the reaction of silicon tetrafluoride with aluminum chloride (III) <i>T.G. Sorochkina, O.Yu. Chernova, O.Yu. Troshin, A.Yu. Sozin, A.D. Bulanov, A.A. Ermakov</i>	525
--	-----

Applying solid phase extraction for the determination of additives in automotive oils by GC / MS method <i>R.L. Akhmedov, S.S. Kravtsova, K.A. Dychko, I.V. Ramus.</i>	532
--	-----

Determination of 1-pyrenol in urine by gas chromatography with mass selective detector <i>A.N. Alekseenko, O.M. Zhurba, A.V. Merinov</i>	539
--	-----

Voltammetric multisensory system based on glassy carbon electrodes modified by polyarylenephthalides for the recognition and determination of warfarin <i>R.A. Zilberg, Yu.A. Yarkaeva, D.I. Dubrovsky, L.R. Zagitova, V.N. Maistrenko</i>	546
--	-----

“Electronic nose” signals correlation evaluation for nasal mucus and exhaled breath condensate of calves with the clinical and laboratory indicators <i>T.A. Kuchmenko, A.A. Shuba, R.U. Umarkhanov, A.E. Chernitskii</i>	557
---	-----

Spectrofluorimetric determination of antioxidative additives (alkylated diphenylamine) in the non-hydrocarbon lubricating-cooling liquid <i>Yu.A. Ivanova, Z.A. Temerdashev, I.A. Kolychev.</i>	563
---	-----

Thermodynamic properties calculation of perrhenates and their application in the simulation of sample pretreatment for the chemical analysis <i>O.V. Melchakova, P.V. Zaitceva, A.V. Maiorova, T.V. Kulikova, N.V. Pechishcheva, K.Yu. Shunyaev</i>	570
---	-----

Quantitative identification of muscular tissue by the means of prototypic peptides using the multiple reaction monitoring method <i>D.V. Khvostov, N.L. Vostrikova, A.V. Zherdev, E.A. Zvereva, A.A. Kurzova</i>	580
--	-----