**Full Paper** _____ *Thematic Section:* Physicochemical Research.
*Registration Code of Publication:* 14-39-9-98 *Subsection:* Physico-Chemistry of Polymers.
Publication is available for discussion in the framework of the on-line Internet conference "*Butlerov readings*".
http://butlerov.com/readings/ *(English Preprint)*
Contributed: December 05, 2014.

# Investigation of surface electrical properties and agregate stability of monodisperse polystyrene latexe particles with aminated surface

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***Keywords:*** *collidal stability, sols coagulation, electrokinetic potential,electrophoretic mobility, polystyrene latex.*

## Abstract

The dependences of the electrokinetic potential of monodisperse polystyrene latex with particle size of 0.19 microns and 0.42 microns were obtained at variation pH (3.0-9.0) and electrolyte concentration ($C_{NaCl}$ $=10^{-2}$-$10^{-3}$mol/l and 0.15 mol/l). Coagulation kinetics of latex was investigated in these conditions by direct ultramicroscopy method and the spectroturbidimetry method. It wass shown that the aggregate stability depended on the dispersion medium composition (pH and NaCl) and the polystyrene particles size.