MODIFICATION OF SILICA AND CELLULOSE SURFACE BY POLYHEXAMETHYLENEGUANIDINE HYDROCHLORIDE AND ITS DETERMINATION

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References:

1. Gembitskii P.O., Vointseva I.I. Polimernyi biotsidnyi preparat poligeksametilenguanidin. *Zaporozh'e "Poligraf"*, 1998. P. 44 (in Russ.).
2. Losev V.N., Buyko O.V., Trofimchuk A.K., Zuy O.N. *Microchem. J*. 2015, 123, 84–89.
3. Zhuk D.S., Gembitskii P.A., Kargin V.A. *Russ. Chem. Rev.*, 1965, 34(7), 515–527 (in Russ.).
4. Burkinshaw S.M. *Wiley*, 2016, P. 648.
5. Hair M.L., Hertl W.J. *Phys. Chem.* 1970, 74(1), 91–94.
6. Khimiya privitykh poverkhnostnykh soedinenii. Pod redaktsiei G.V. Lisichkina. *Moskva: Fizmatlit*, 2003. P. 592 (in Russ.).
7. Instrukcija № 4 po primeneniju sredstva dezinficirujushhego "Dezofan" proizvodstva OOO "Makferon", Rossija na predprijatijah mjasnoj promyshlennosti. – *Moskva.* 2005. P.10 (in Russ.).
8. Kreingol'd S.U., Shestakov K.A. *Dezinfektsionnoe delo – disinfection affairs*, 2004, 1, pp. 31-33 (in Russ.).
9. Rudnev A.V., Dzherayan T.G. *J. Anal. Chem.* 2006, 61(10), 1086–1089 (in Russ).
10. Hoogeveen N.G., Cohen Stuart M.A., Fleer G.J. *J. Colloid Interface Sci.*1996, 182, 146–157.
11. Blackburn R.S., Harvey A., Kettle L.L., Payne J. D., Russel S.J. *Langmuir*. 2006, 22(13), 5636–5644.
12. Parfitt G.D., Rochester C.H. Adsorption from solution at the solid/liquid interface. *London: Academic press*,1986, P. 488 (in Russ.).
13. Trofimchuk A.K., Maglyovana T.V., Leshchenko V.N. *Polish J. Chem*. 2008, 82, 453–459.