

Defining the viscosity of solutions of the veterinary Vetamex drug as a method of forecasting and control of its prolonged action

© Ludmila N. Punegova,^{1,2*} Irina I. Kurbanova,^{1,2} Tamara S. Shitova,² Dmitry A. Pudovik,² Oleg G. Sinyashin,¹ and Vladimir A. Alfonsov¹⁺

¹ Federal State Institution of Science. A.E. Arbuzov Institute of Organic and Physical Chemistry. Kazan Scientific Center. Russian Academy of Sciences.

² NPP "Vetta service." Ak. Arbuzov St., 8. Kazan, 420088. Republic of Tatarstan. Russia.
Phone: +7 (843) 273-93-44. E-mail: punegovaln@yandex.ru

*Supervising author; +Corresponding author

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Abstract

The dependence of the prolonging capacity of the veterinary drug Vetamex on viscosity of its solution in chloroform has been established. It is shown that an increase in the mass fraction of volatile matter content of the samples of studied drugs leads to decreased viscosity and reduction in the period of prolonged action, the average molecular weight of the polymer base in the range of 3000-7000 provides the prolonged action of preparations for 90 days or more. The possibility of using the indicator of Vetamex solution viscosity for prediction and control of its prolonged action has been shown. After the accumulation of statistical data and the formation of the appropriate methodology, the index of solution viscosity can be recommended as one of the most important quality indicators of the prolonged action preparation Vetamex.