1 Abstract

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Title of Thesis: Evaluation of viscosity of the cellulosis bases for extemporaneous

preparation

Extemporaneous preparation plays an important role in the individual prescription of medicinal products. Many preparations are viscous preparations with the addition of hydrogels. In this work, the relationship between concentration and viscosity of cellulose derivatives of various viscosity grades was studied. The empirically proposed linear regression in which the transformation of viscosity by logarithm and the concentration by square root was used. The actual parameters of the linear regression obtained allowed to estimate the concentration of the cellulose derivative to achieve the desired viscosity. This way, the individual derivatives of different viscosity grades can be replaced without the large impact on viscosity of the resulting medicinal product.