ABSTRACT

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Name of Degree Paper: Determination of the Biologically Active Substances using Liquid Chromatography XI

The aim of this study was to find applicable method for separation and determination of main contaminations in medicines containing Aciclovirum as active substance. Used analytic method was High Performance Liquid chromatography with UV-VIS detection at 254nm. Separation was performed on column LiCroCART 250/4 LiChrospher 100, RP-18 (25cm x 4,6mm; 5μm). Mobile phase was based on proportions of acetonitrile and acetate buffer (pH4,5) in gradient mode. The final method was applied on Herpesin drm. crm. There was also determined the increase of contaminations after one hour of boiling Herpesin drm. crm. in water, HCl 1 $mol.l^{-1}$ and NaOH 1 $mol.l^{-1}$.

Key words: HPLC, chromatography, aciclovirum, Herpesin drm.crm.