

ABSTRACT

Determination of Camphor content in the ointment using monolithic column

Thesis

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The HPLC method for determination of camphor content in pharmaceutical preparation Unguentum camphoratum vaselinatum 10% using monolithic column was developed. The time of analysis was shortened to 1,3 min. The chromatographic column Chromolith Speed rod, RP-18e 50-4,6 mm and chromatographic precolumn Chromolith, RP-18e 10-4,6 mm with mobile phase water : methanol 35 : 65 were used. UV detector for the determination with the setting wave length 289 nm was used. The method was validated for accuracy (recovery = 99,03 %), precision (RSD = 0,83 %), linearity ($R = 0,9995$) and for specificity. The method was also tested in other pharmaceutical preparations containing camphor.