

Abstract

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Suppositories as dosage forms are still in use at present. For certain medicinal substances they are even one of the few possible applications. Therefore it is still necessary to deal with their proper formulation and storage. In this thesis, we followed up the influence of storage temperature of suppository bases on its calorimetric characteristics. As a basic method of thermal analysis we used differential scanning calorimetry. We determined the content of the solid phase in the suppository bases stored at temperatures of 26 °C and 5 °C. We evaluated the changes that occurred within one year after the preparation of suppositories. The obtained data shows increase in share of solid phases during the storage and the major differences are just in storage temperature. Thus we consider appropriate to set maximum temperature limits for storage of suppositories.