

Stoklasová Markéna – Rigorózní práce – 2006

This work deals with the characterization of lactose by differential scanning method. Theoretical part characterizes lactose and describes the method of differential scanning calorimetry. This chapter also mentions the factors effecting DSC thermograms. The aim of the work was to carry out calorimetric evaluation of beta lactose, D lactose, and alfa lactose. The calorimetric measurements were realized by means of DSC calorimeter DSC 200 PC Netzsch.

The results of the work list melting temperatures and values of T<sub>g</sub> of lactoses studied. The results are compared with the values of lactose used as filler for tablet production.