

Juhaňáková Jana – Rigorózní práce – 2006

This work deals with the determination of tablet plasticity made of Tablettose 70 using stress relaxation method. Theoretical part of the work describes preparation and characterization of the tablets. It deals in detail with the determination of residual plasticity of Tablettose 70, determination of the influence of the dwell time on residual plasticity and on the dependence of residual plasticity on compression force. Plasticity was measured by means of T1 - -FRO 50 device. From the results of the work it follows that the increase in dwell time results in residual plasticity of Tablettose 70. Tablettose 70 has the parameter A 49.679 % and tangent B $-13.712\% \text{ kN}^{-1}$.