

Abstract

The paper deals with the study of the properties of tablets from coprocessed dry binder StarLac. The properties under study included the tensile strength and disintegration time in dependence on compression force, addition of two lubricants (magnesium stearate, sodium stearyl fumarate) in two concentrations (0,4, 0,8%) and a 50% addition of the active ingredient ascorbic acid. The compression forces were 15, 16, 17 kN, in the case of the tableting material with the active ingredient only 16 kN. The addition of magnesium stearate in a concentration of 0,4% increased the tensile strength, but in a concentration of 0,8% didn't. The same result is in the case of sodium stearyl fumarate for compression force 17 kN. The addition of lubricants increased the disintegration time of tablets, less in the case of Pruv. The addition of ascorbic acid decreased the tensile strength of tablets, the disintegration time was shorten. StarLac without and with magnesium stearate too offers the tablets with higher tensile strength and with shorter disintegration time than the physical mixture of Starch 1500 and Pharmatose DCL 15.