

ABSTRACT-EN

In the thesis was demonstrated manitol as the proper model substance for optimization procedure of spray drying in Büchi Mini Spray Dryer B-290. Concentration of model polyol was in the range from 5 % to 15 %, the proper temperature in inlet part of device was 110 °C- 120 °C. The powder with low residual moisture was obtained, diameter of particles was around 5 micrometers. Effective were small concentrations of polydextrose and lecithine as additives in manitol.