

Column Adsorption of Copper and Silver Ions on Modified Porous Glass

Mateusz Witczak¹

¹Wroclaw University of Technology, Wroclaw, Poland

Abstract

In this paper, the adsorption column was designed, for the specified parameter of the process, taking into account the amount of purified raw material and its concentration. The whole project has been simulated with COMSOL Multiphysics® software. Also, in the project was modeled and plotted adsorption column for the specified process parameters. Modeled column with adsorbent bed, checking the strength parameters with the choice of various steel. All parameters and results of calculations and simulations were discussed and included in the project.