Abstract

Proteinogenic amino acids are the basic structural building units of proteins. Their analysis is important in many fields, especially in medicine. This thesis deals with one of the methods of derivatization of amino acids in order to increase their absorption in the UV – the post-column derivatization using copper (II) oxide. It is quick, robust and easy-to-use method. Following the nowadays trend in the analysis of free amino acids, this thesis is focused on the HILIC mode separation environment.