

ABSTRACT

A non-targeted analysis of beer samples was carried out using dispersive liquid-liquid microextraction (DLLME) and gas chromatography with mass spectrometric detection (GC-MS). The method was optimized in terms of the composition of the reaction mixture and the type of dispersing agent used. One sample of alcoholic beer was used for the optimization. The processed data showed that the optimal arrangement of DLLME for non-targeted analysis of beer is a reaction mixture consisting of 1 ml of the sample, 300 μ l of the extraction agent (chloroform), and 700 μ l of the dispersing agent (ethanol).