

Abstract

Increased concentration of suspended particles of the PM10 fraction, transportation and construction industry have serious impact on health. In Pilsen, the Air Improvement Programme in Pilsen Municipality takes place in accordance with the Pilsen Municipal Development Programme, the Regional Emissions Reduction Programme of the Pilsen Region and the National Emissions Reduction Programme of the Czech Republic. This thesis aims on determining the content of actinolite, asbestos mineral from amphibole group, in the samples from the Pilsen Basin. Altogether 23 samples from Pilsen municipal area were measured using the quantitative analysis method and X-ray powder diffraction. The actinolite content was determined in the samples.