

# ENVIRONMENTAL STUDY OF THE AMBIENT AIR QUALITY IN KREMNICA MONITORING AREA PART I. DATA EVALUATION OF HEATING SEASON

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## ABSTRACT

The ambient air samples were collected in monitoring area Kremnica on six localities. Four indicators were estimated in 24-hours samples: fraction of solid aerosol  $PM_{10}$ ,  $PM_{2.5}$ ,  $NO_2$  and  $NO_x$ . The values were measured in the heating period (March 2006) on six measuring localities. These values were compared after statistical evaluation with the limits of concentrations for the assessment of the air quality in this locality.

**Key words:** size fractions of solid aerosol ( $PM_{10}$ ,  $PM_{2.5}$ ),  $NO_2$ ,  $NO_x$ , collection, of air samples