

# ABSTRACT

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Title of Thesis **Determination of 6-sulfatoxymelatonin by Capillary Electrophoresis**

The submitted thesis deals with a development of a method for determination of 6-sulfatoxymelatonin for purposes of the gerontological research. Parameters of the electrophoretic determination were optimized, i. e.: composition of the base electrolyte, its pH, voltage, time of injection. Then following validation parameters were determined: linearity, repeatability, reproducibility of migration times and limit of detection. The obtained results confirm the applicability of the method for the given purpose.