

APPLYING POTASSIUM DICHROMATE AS REFERENCE MATERIAL IN TOXICOLOGICAL ANALYSIS OF INDUSTRIAL WASTE BY BIOASSAY METHODS USING EARTHWORM AS TEST OBJECT

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Abstract – The article presents the results of bioassay analysis of potassium dichromate as a reference chemical in *Eisenia foetida* test model applied for ecotoxicity assessment of industrial wastes. Test organism response range was determined to be as follows $LC_{50} = 0.272-0.297$ g/kg potassium dichromate under acute experimental conditions within intralaboratory testing.

Keywords: bioassay, *Eisenia foetida*, ecotoxicity, industrial wastes, reference chemical.