

## **Application of a set of spectral methods for studying the aluminum production wastes**

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### **Abstract**

The investigation of the applicability of emission spectroscopy, atomic absorption and infrared spectroscopy for qualitative and quantitative analysis of samples of sludge fields of unknown composition. It is shown that IR spectroscopy allows the lowest labor costs to evaluate the presence of anions in the sample. Worked out methods for determining metals in the waste products of aluminum and carried out their metrological evaluation.