

The physics-chemical properties of fly-ash from the burning of Ekibastuz coals

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Abstract

The physico-chemical properties of fly-ash from burning of Ekibastuz coals have been investigated by atomic absorption and X-ray-fluorescence (to determine the element composition), laser diffraction (to determine the granulometric composition), low-temperature adsorption by nitrogen (to determine the special surface), X-ray (to determine the phase composition) methods in this work. The results have been confirmed a practicability of using dry ash-removal to produce a coagulant and the development of effective ways of gallium concentrating.

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