

IMPROVING THE ACCURACY OF WORKING ESTIMATES CALORIMETER STUDIES

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An investigation of the process definition properties calorific fuels expediency mandatory consideration of amendments to the formation of sulfuric, nitric acids and the latent heat of vaporization affecting the implementation of heat in practical terms, less than the realization by heat bomb.

Key words: Heating fuel property, calorimeter, bomb, elementary composition of fuel, fuel combustion.

The heating value of the fuel can be calculated as the sum of the data of the calorific value combustible elements constituting the definition palyvo.Odnak calorific similar methods offers significant divergence from the real calorific value, which is by kalorymetruvannya.

Objective research – justification for the amendments in the workflow definition properties calorific fuels.

Materials and methods of research. Study regulations to determine calorific fuel properties and order of its calculation.

Results. Direct determination of calorific fuel sample is determined by burning fuel in an oxygen atmosphere. For this purpose, a so-called calorimetric bomb After a bomb placed in a sample of fuel and let in oxygen pressure of 25 - 30 at through the circuit passes the current batch zapalnyyy wire and burned. Provided the heat that heats the water calorimeter. Increasing water temperature is determined by a special thermometer to within 0,001 °. Based on the research process definition properties

of calorific fuels expediency mandatory consideration of amendments to the formation of sulfuric, nitric acids and the latent heat of vaporization, affecting the implementation of heat in practical terms, less than the realization by heat bomb.

List of literature

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2. A. Rabinovich Boiler-houses aggregates. /O.M. Rabinovich / - M.-L .: Mashhyz, 1963. - 460 p .

Anotatsiya

Presents the research process determining calorific properties of fuels, the expediency of the amendment on the mandatory formation of sulfuric, nitric acids and the latent heat of vaporization, which affects the implementation of heat in practical terms, is less than the realization of the heat of the bomb.

Key words: The calorific value of fuel properties, calorimeter bomb elemental composition of the fuel combustion