

THERMOCHEMICAL PROPERTIES OF TRINITROETHYL DERIVATIVES CL-20

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Abstract: Using the method of bomb calorimetry, the enthalpies of combustion have been determined and the enthalpies of formation in standard state of trinitroethyl derivatives of CL-20 have been calculated. The effect of introducing the trinitroethyl groups on the value of the enthalpy of formation has been revealed.

Keywords: calorimetry; bomb calorimeter; enthalpy of combustion; enthalpy of formation; trinitroethyl derivatives of CL-20

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