

enthalpimetric analysis

The generic designation for a family of analytical methods in which the enthalpy change of a chemical reaction is measured, directly or indirectly, in order to perform a quantitative determination of a reactant or catalyst. In general, at least one reactant is a liquid or solution. It is a subset of *calorimetry* in which the system is maintained at constant (usually atmospheric pressure), and the emphasis is on a quantitative determination in a reasonable length of time.

Analytical solution calorimetry is a synonymous designation that may be used but is not preferred. Thermochemical analysis has been used but is not recommended because of potential confusion and overlap with the methods of *thermal analysis*. The adjective thermometric is also associated with the names of some of these methods, but is not recommended as a general designation.

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