

direct-injection enthalpimetry

Also contains definition of: batch injection calorimetry

An analytical method in which a reactant is injected into a calorimetric vessel containing another reagent. The enthalpy change of the ensuing reaction is measured and directly related to the amount of the limiting reagent (usually the analyte). If the experiment determines information other than amounts of analytes, an acceptable synonym is batch injection calorimetry. Other terms which have been used in the literature but are not recommended include the concentration thermometric technique and the direct thermometric method.

Source:

PAC, 1994, 66, 2487 (*Nomenclature of thermometric and enthalpimetric methods in chemical analysis (IUPAC Recommendations 1994)*) on page 2490