

minimum consumption time, t_{\min}

in flame emission and absorption spectrometry

The time during which nebulization must be carried out in order to perform one analysis with a given precision. The minimum consumption time is equal to the minimum volume consumed of the prepared sample divided by the rate of fluid consumption in order to obtain a given precision. It can be reduced by means of integrating the signal or measuring the signal increments (kinetic methods).

Source:

PAC, 1986, 58, 1737 (*Quantities and units in clinical chemistry: Nebulizer and flame properties in flame emission and absorption spectrometry (Recommendations 1986)*) on page 1740