

## confidence level

The probability of covering the expected value of an estimated parameter with an interval estimated for the parameter (symbol  $1 - \alpha$ ). The confidence level can be expressed as a number between 0 and 1, or in percent. The complementary quantity is known as the significance level.

Note:

In some cases the confidence level is dictated by the needs of the situation. In all other instances, use of  $1 - \alpha = 0.95$  is recommended.

**Source:**

PAC, 1994, 66, 595 (*Nomenclature for the presentation of results of chemical analysis (IUPAC Recommendations 1994)*) on page 599