

## standard solution

**Also contains definitions of:** primary standard, secondary standard

A solution of accurately known concentration, prepared using standard substances in one of several ways. A primary standard is a substance of known high purity which may be dissolved in a known volume of solvent to give a primary standard solution. If stoichiometry is used to establish the strength of a titrant, it is called a secondary standard solution. The term secondary standard can also be applied to a substance whose active agent contents have been found by comparison against a primary standard. Concentrations of standard solutions may be expressed in  $\text{kmol m}^{-3}$ ,  $\text{mol dm}^{-3}$ , or in terms more closely related to those used in specific titrations (as titres).

**Source:**

Orange Book, p. 48