

mole

The mole, symbol mol, is the SI unit of amount of substance. One mole contains exactly $6.022\,140\,76 \times 10^{23}$ elementary entities. This number is the fixed numerical value of the Avogadro constant, N_A , when expressed in the unit mol^{-1} , and is called the Avogadro number.

The amount of substance, symbol n , of a system is a measure of the number of specified elementary entities. An elementary entity may be an atom, a molecule, an ion, an electron, any other particle or specified group of particles.

Note:

The formulation of this definition was agreed upon by the 26th CGPM in November 2018 with effect from 20 May 2019.

Source:

BIPM, The International System of Units, SI Brochure, 9th ed. (2019), p. 134

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