

INTERNATIONAL
DOCUMENT

OIML D 2
Amendment

Edition 2004 (E)

Legal units of measurement

Unités de mesure légales

OIML D 2 Amendment Edition 2004 (E)



ORGANISATION INTERNATIONALE
DE MÉTROLOGIE LÉGALE

INTERNATIONAL ORGANIZATION
OF LEGAL METROLOGY

Amendment to OIML D 2 *Legal units of measurement* (Edition 1999 E)

This Amendment to OIML Document D 2, Edition 1999 (E), Clause 2 *SI Units*, Sub-clause 2.6 *Physical chemistry and molecular physics*, was approved by CIML postal ballot in July 2003.

It was decided that according to Resolution 12 of the 21st CGPM, 1999, the SI derived unit “katal ()” would be added.

Thus, the new Sub-clauses read as below:

2.6.2 Catalytic activity: katal (symbol: kat)⁽¹⁾

2.6.2.1 The katal is the activity of a catalyst which causes a catalysed conversion rate of one mole of substrate per second.

2.6.2.2 It is recommended that when the katal is used, the measurand be specified by reference to the measurement procedure; the measurement procedure must identify the indicator reaction (21st CGPM, 1999).

$$1 \text{ kat} = \frac{1 \text{ mol}}{1 \text{ s}}$$

⁽¹⁾ Especially for the fields of medicine and biochemistry.