

## Key comparison CCM.D-K4, EUROMET.M.D-K4, SIM.M.D-K4 and supplementary comparison SIM.M.D-S2

### Equivalence Statements

#### CCM.D-K4

The key comparison CCM.D-K4 was carried out in two "petals". A reference value was calculated for each transfer instrument and petal. The method how to calculate a common key comparison reference value and the reciprocal Degrees of Equivalence is described in Section 3 of the CCM.D-K4 Final Report and in Section 3.2.1 of the Supplement to CCM.D-K4.

The degree of equivalence  $D_i$  of each laboratory  $i$  with respect to the key comparison reference value is given by a pair of terms: the relative difference  $D_i$  and  $U_i = 2u_i$ , its expanded uncertainty ( $k = 2$ ), both expressed in  $\text{kg/m}^3$ .

#### EUROMET.M.D-K4

The results of EUROMET.M.D-K4 were linked to CCM.M.D-K4 via the linking institutes INRiM, MKEH and the PTB who participated in both comparisons.

#### SIM.M.D-K4

The results of SIM.M.D-K4 were linked to CCM.M.D-K4 via the linking institute CENAM who participated in both comparisons.

#### SIM.M.D-S2

The results of SIM.M.D-S2 were linked to CCM.M.D-K4 via the linking institute INRiM who participated in both comparisons.