Key comparison CCQM-K149

MEASURAND : Mass fraction of nitrogen in dry milk powder

x_i : result of measurement carried out by laboratory i

u_i : combined standard uncertainty of x_i

Lab i	x_i / %	u_i / %
CENAM	2.82	0.005
INM (CO)	2.83	0.035
INMETRO	2.84	0.025
UNIIM	2.87	0.012
INACAL	2.89	0.014
GL	2.89	0.032
RISE	2.90	0.006
SE "Ukrmetrteststandard"	2.90	0.017
INTI	2.93	0.012
KazInMetr	3.43	0.16

Key comparison CCQM-K149

MEASURAND : Mass fraction of nitrogen in dry milk powder

The key comparison reference value x_R was calculated as the median of the participants results excluding KazInMetr's results, and its associated uncertainty u_R is calculated according to Equation 8 on the page 15 of the Final report.

x_R = 2.887 %, u_R = 0.011 %

The degree of equivalence of laboratory i with respect to the key comparison reference value is given by a pair of terms, both expressed in %:
$D_i = (x_i - x_R)$ and its expanded uncertainty (k = 2), $U_i = 2(u_R^2 + u_i^2)^{1/2}$

No pair-wise degrees of equivalence have been computed for this key comparison.

Degrees of equivalence

Lab i ⇩	D_i / %	U_i / %
CENAM	-0.07	0.02
INM (CO)	-0.06	0.07
INMETRO	-0.05	0.05
UNIIM	-0.02	0.03
INACAL	0.00	0.04
GL	0.00	0.07
RISE	0.01	0.02
SE "Ukrmetrteststandard"	0.01	0.04
INTI	0.04	0.03
KazInMetr	0.55	0.32

CCQM-K149 : Mass fraction of Nitrogen in dry milk powder

Degrees of equivalence, D_i and expanded uncertainty U_i (k = 2)

x_R = 2.887 %
u_R = 0.011 %

$D_i = (x_i - x_R) / \%$

CENAM, INM (CO), INMETRO, UNIIM, INACAL, GL, RISE, SE "Ukrmetrteststandard", INTI, KazInMetr