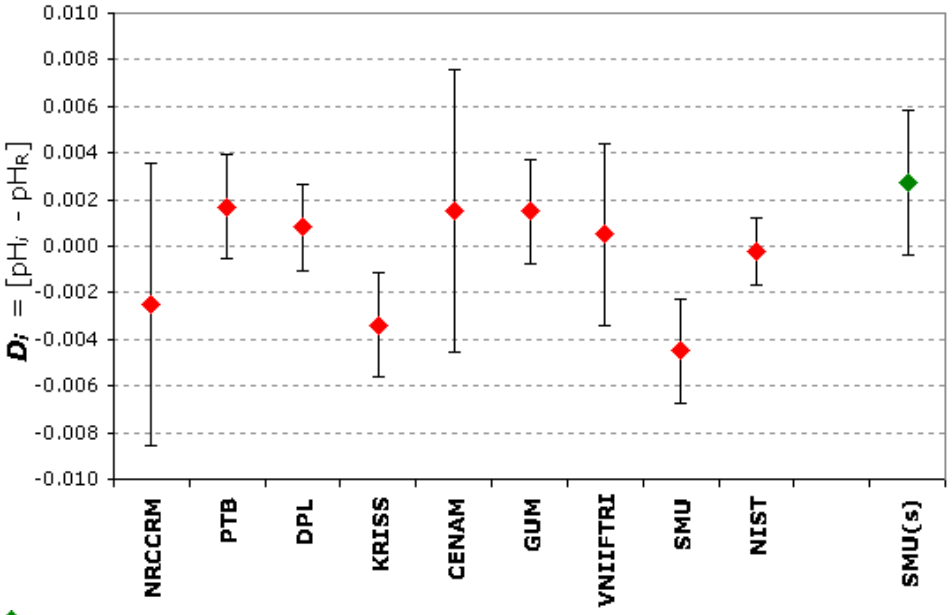
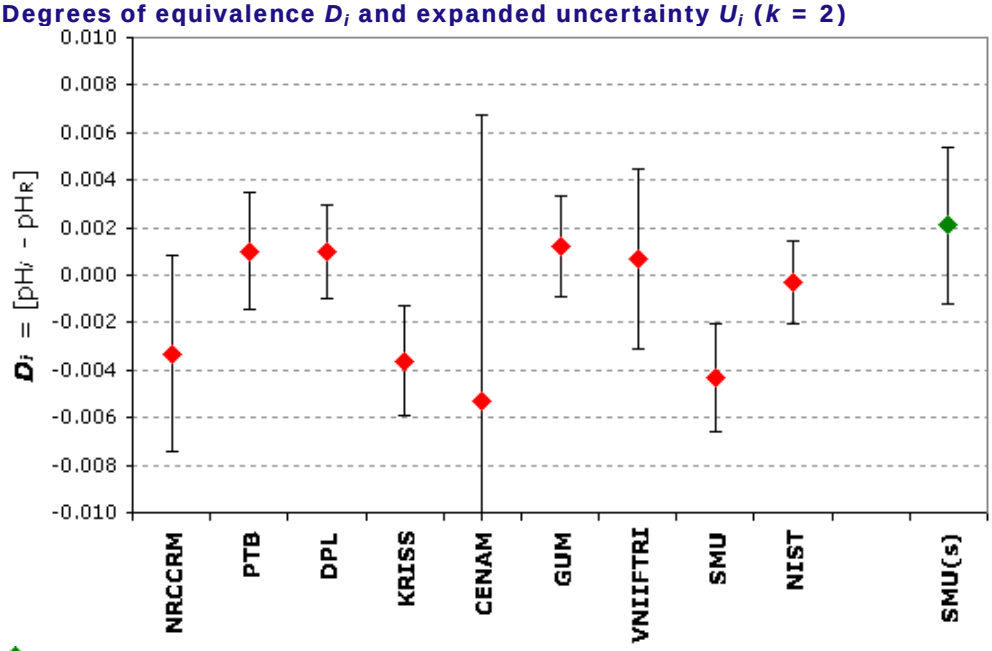
CCQM- K9 | **pH measurement of phosphate buffer solutions 1999 - 2000**

MEASURAND : pH value of phosphate buffer
Sample 1 : [0.025 mol kg^{-1} KH_2PO_4 + 0.025 mol kg^{-1} Na_2HPO_4]
Measurements at 15 °C
NOMINAL VALUE : pH = 6.9 at 25 °C
Degrees of equivalence D_i and expanded uncertainty U_i (k = 2)



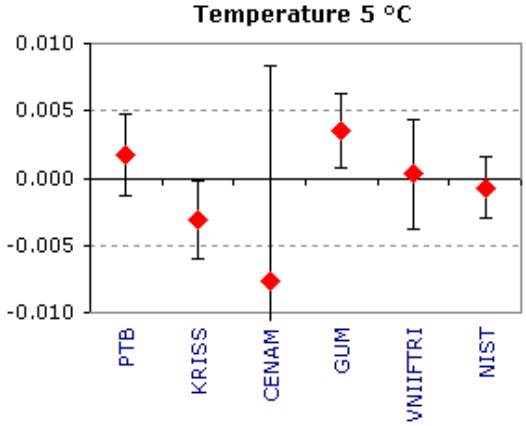
◆ indicates the degree of equivalence for SMU resulting from the subsequent bilateral comparison between SMU and PTB.

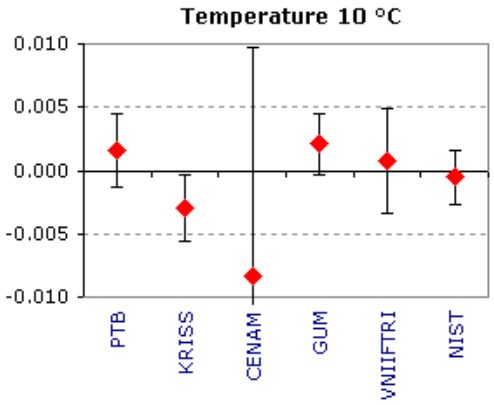
MEASURAND : pH value of phosphate buffer
Sample 1 : [0.025 mol kg^{-1} KH_2PO_4 + 0.025 mol kg^{-1} Na_2HPO_4]
Measurements at 25 °C
NOMINAL VALUE : pH = 6.9 at 25 °C
Degrees of equivalence D_i and expanded uncertainty U_i (k = 2)

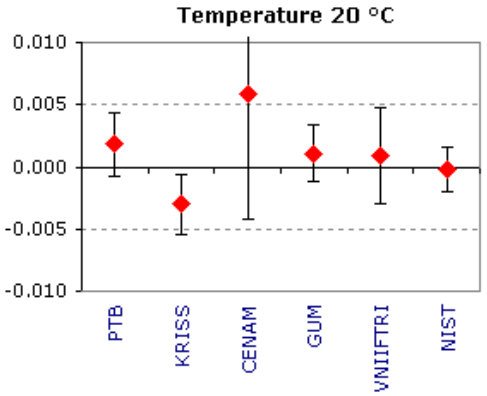


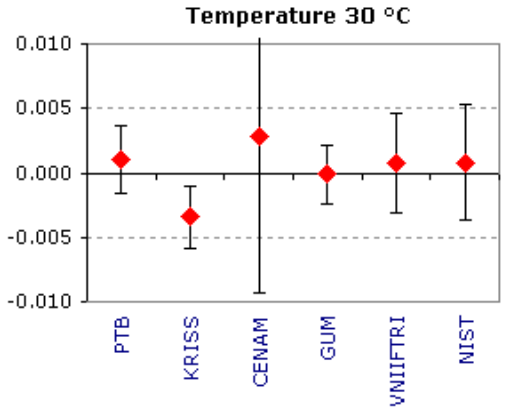
◆ indicates the degree of equivalence for SMU resulting from a subsequent bilateral comparison between SMU and PTB.

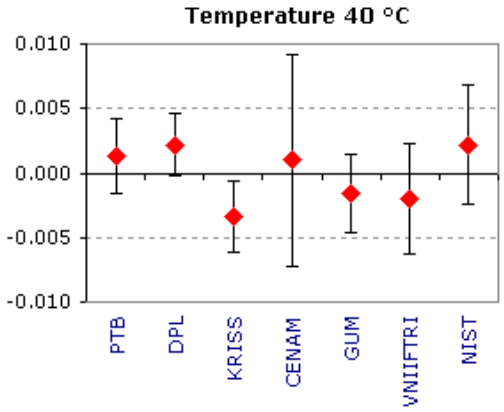
MEASURAND : pH value of phosphate buffer
Sample 1 : [0.025 mol kg^{-1} KH_2PO_4 + 0.025 mol kg^{-1} Na_2HPO_4]
Measurements at 5 °C, 10 °C, 20 °C, 30 °C, 40 °C, 45 °C and 50 °C
NOMINAL VALUE : pH = 6.9 at 25 °C
Degrees of equivalence D_i and expanded uncertainty U_i (k = 2) for each temperature
Click on the graph for a closer view

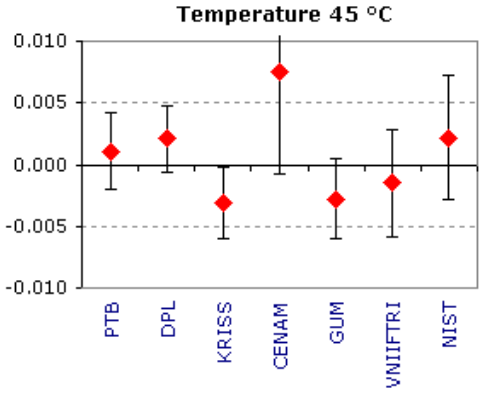


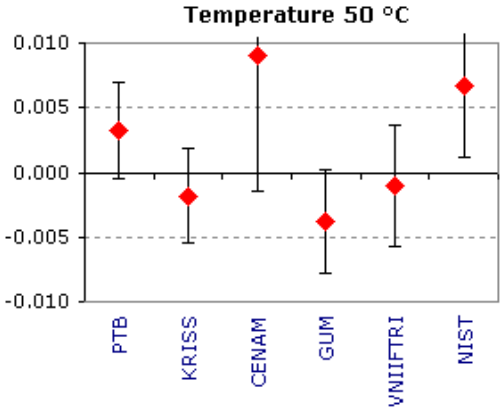




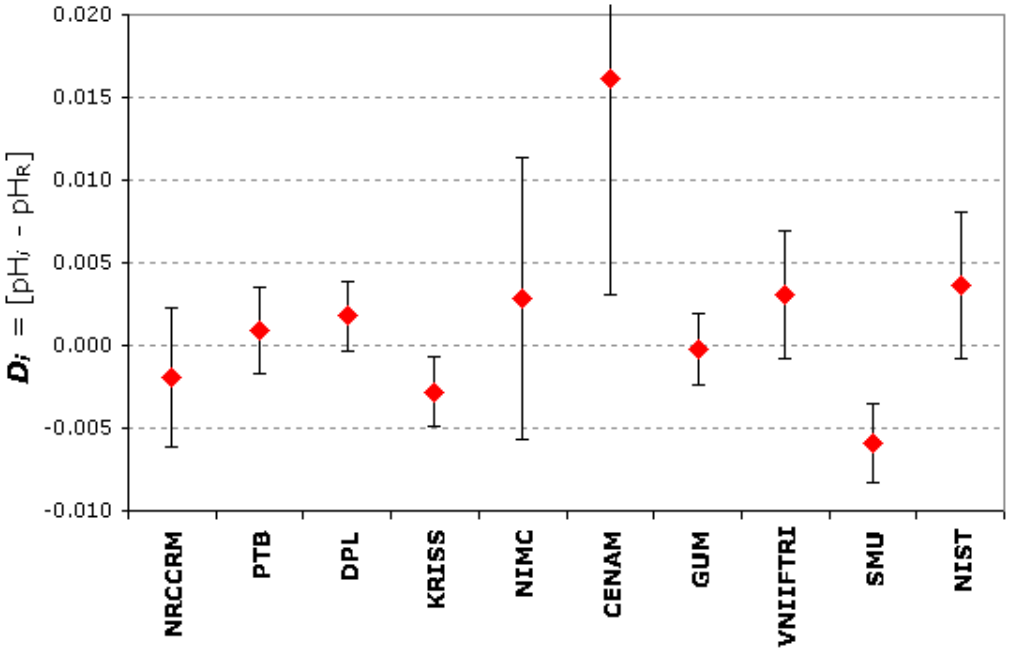








MEASURAND : pH value of phosphate buffer
Sample 2 : [0.02 mol kg^{-1} KH_2PO_4 + 0.02 mol kg^{-1} Na_2HPO_4]
Measurements at 25 °C
NOMINAL VALUE : pH = 6.9 at 25 °C
Degrees of equivalence D_i and expanded uncertainties U_i (k = 2)



MEASURAND : pH value of phosphate buffer
Sample 2 : [0.02 mol kg^{-1} KH_2PO_4 + 0.02 mol kg^{-1} Na_2HPO_4]
Measurements at 37 °C
NOMINAL VALUE : pH = 6.9 at 25 °C
Degrees of equivalence D_i and expanded uncertainty U_i (k = 2)