Name: School Year:
Group: GM, DM Date of measurement:

Report

Topic: Osmometry.

Exercise: Measure the osmomolality of given solutions and compare it with the calculated value .

Instrumentation: Osmometer, distilled water, 0.10 $mol.kg^{-1}$, 0.15 $mol.kg^{-1}$, 0.25 $mol.kg^{-1}$, 0.30 $mol.kg^{-1}$ NaCl, beaker, pipette.

Procedure: According to the manual.

Measured values and calculations:

m [$mol.kg^{-1}$]	**№**	**m_o [$osmol.kg^{-1}$]**	**$\bar{m}_o$ [$osmol.kg^{-1}$]**	**$\Delta m = \bar{m}_o - m.i$ [$osmol.kg^{-1}$]**
0.10	**1.**			
	2.			
0.15	**1.**			
	2.			
0.25	**1.**			
	2.			
0.30	**1.**			
	2.			

Approx. value of van't Hoff's coefficient for NaCl solution **i = 1.8**

Conclusions and commentary: