

Table S1: Relative humidity of the eleven saturated salt solutions at different temperatures

Salt name	Molecular Formula	Temperature (°C)	
		50	70
Lithium chloride	LiCl	0.1003	0.0916
Potassium Acetate	CH ₃ COOK	0.1893	0.1621
Magnesium chloride	MgCL ₂	0.3038	0.2877
Potassium carbonate	K ₂ CO ₃	0.4269	0.4158
magnesium nitrate	Mg(NO ₃) ₂	0.4885	0.4580
Sodium nitrate	NaNO ₃	0.5881	0.5436
Potassium iodide	KI	0.6453	0.6162
sodium chloride	NaCl	0.7178	0.6887
Potassium chloride	KCl	0.7768	0.7270
Potassium nitrate	KNO ₃	0.8663	0.8289
Potassium sulphate	K ₂ SO ₄	0.9617	0.9522