

**Table S1.** Results of the calibration curve of domestic double-circle quantitative filter paper at 25 °C, 40 °C.

Molality /(mol L <sup>-1</sup> )	25 °C		40 °C	
	$\Psi$ (kPa)	$W_{fp}$ (%)	$\Psi$ (kPa)	$W_{fp}$ (%)
0.001	4.90	44.54	5.15	32.61
0.002	9.76	44.42	10.24	32.09
0.005	24.20	41.83	25.40	/
0.010	48.00	41.55	50.38	29.12
0.020	95.04	/	99.72	/
0.050	233.91	32.73	245.26	/
0.100	462.12	29.76	484.80	25.81
0.200	914.92	24.76	960.53	23.81
0.300	1369.77	23.55	1439.39	23.34
0.400	1822.90	22.24	1917.31	20.80
0.500	2282.46	20.52	2402.76	20.20
0.600	2743.56	19.13	2890.65	18.99
0.800	3681.49	17.42	3884.61	17.13
1.000	4639.54	16.16	4901.07	14.80
1.200	5619.80	14.54	5941.27	14.64
1.400	6623.07	13.13	7005.85	13.94
1.800	8706.34	11.68	9213.72	11.97
2.000	9788.74	11.27	10358.28	9.26
2.500	12585.41	9.77	13322.56	8.68

\*  $\Psi$ : the matric suction;  $W_{fp}$ : water content of filter paper; /: invalid data.