B Water Activity of Unsaturated Salt Solutions at 25°C

Anthony J. Fontana, Jr.

	- I		766.0								0.851																		
. 25°C	m F		766.0							0.85																			
Water Activity at 25°C	Calcium	Bromide	0.995	0.974	0.941	868.0	0.846	0.785	0.718	0.648	0.572	0.493	0.417	0.347	0.284														
	Lithium	Chloride	0.997	0.983	0.964	0.943	0.921	0.897	0.870	0.842	0.812	0.780	0.747	0.713	0.679	609.0	0.539	0.473	0.412	0.356	0.307	0.266	0.230	0.200	0.175	0.155	0.138	0.123	
	Sodium	Hydroxide	0.997	0.983	996.0	0.948	0.930	0.910	0.889	998.0	0.842	0.816	0.789	0.762	0.734	0.674	0.612	0.549	0.488	0.430	0.376	0.328	0.285	0.249	0.218	0.192	0.170	0.152	
	Potassium	Hydroxide	0.997	0.983	0.965	0.944	0.922	0.899	0.874	0.847	0.819	0.789	0.760	0.729	0.699	0.634	0.569	0.508	0.450	0.393	0.340	0.296	0.262	0.225	0.191				
	Lithium	Bromide	0.997	0.983	0.963	0.942	0.917	0.891	0.863	0.831	0.797	0.761	0.724	0.688	0.651	0.574	0.496	0.423	0.352	0.287	0.235	0.187	0.149	0.121	0.098	0.081	0.067	0.056	
Molal	Conc.	Units	0.1	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	0.9	7.0	8.0	0.6	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	

	Sodium	Nitrate	0.997	0.984	0.970	0.956	0.942	0.929	0.916	0.904	0.892	0.880	0.868	0.856	0.843	Potassium	Sulfate	966.0	0.982											
	Strontium	Chloride	0.995	9260	0.947	0.911	0.870	0.822	0.768	0.711	0.654					Potassium	Nitrate	766.0	0.985	0.973	0.962	0.953	0.920	0.937	0.930					
	Potassium	Iodide	0.997	0.984	0.967	0.951	0.933	0.916	0.899	0.881	0.863	0.846				Strontium	Nitrate	966.0	0.979	0.960	0.941	0.921	0.902	0.881	098.0	0.838				
ctivity	Cobalt	Chloride	0.995	0.975	0.944	0.904	0.859	0.810	0.758	0.709	0.664					Potassium	Chloride	0.997	0.984	0.968	0.952	0.936	0.920	0.904	0.887	0.870	0.853			
Water Activity	Sodium	Bromide	0.997	0.983	996.0	0.948	0.929	0.908	0.887	0.865	0.841					Ammonium	Sulfate	0.996	0.982	996.0	0.951	0.935	0.919	0.905	0.885	0.867	0.849	0.831	0.813	
	Magnesium	Nitrate	0.995	0.975	0.944	906.0	0.862	0.813	0.758	0.701	0.643	0.585	0.526			Potassium	Bromide	0.997	0.984	0.968	0.952	0.936	0.920	0.903	0.887	0.870	0.853	0.835	0.818	0.801
	Sodium	Iodide	0.997	0.983	0.965	0.946	0.925	0.903	0.880	0.855						Ammonium	Chloride	0.997	0.984	0.968	0.952	0.937	0.921	0.905	0.889	0.873	0.857	0.842	0.826	0.811
	Magnesium	Chloride	0.995	0.975	0.942	0.900	0.848	0.788	0.722	0.652	0.580	0.509	0.439			Sodium	Chloride	0.997	0.984	0.967	0.950	0.932	0.913	0.893	0.873	0.852	0.830	0.807	0.784	0.760
	Molal	Conc.	0.1	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	0.9			0.1	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	0.9