

TABLE 3. Comparison of Relative Humidity Values of Selected Saturated Salt Solutions for Various Compilations

Saturated Salt	Relative Humidity, %																							
	10 °C						20 °C						30 °C						40 °C					
	a	b	c	d	e	f	a	b	c	d	e	f	a	b	c	d	e	f	a	b	c	d	e	f
Potassium Hydroxide	12.34	14		13			9.32	12		9			7.38	12		7			6.26	11		6		
Lithium Chloride	11.29	21		13			11.31	22		12			11.28	22		12			11.21	11		11		
Potassium Acetate	23.38	34	34.7	24			23.11	33		23			21.61	33		22			31.60	32	31.3	32		
Magnesium Chloride	33.47	47		34			33.07	44		33			32.44	43		33			32.88	49		33		
Sodium Iodide	41.83	47		42			39.65	55		39			36.15	52		36						49		
Potassium Carbonate	43.14	47	47.0	47			43.16	55		44			43.17	52		43						49		
Magnesium Nitrate	57.36	57		57			54.38			55			51.40			52						49		
Sodium Bromide							59.14																	
Potassium Iodide	72.11			72			69.90			70			61.83			68			55.48		56.6			
Sodium Chloride	75.67	76	76.9	76			75.47	76		76			67.89	75		75			74.68	75	74.4	75		
Ammonium Chloride							79.23						75.09			75								
Potassium Bromide	83.75			82			81.67			81			80.27			80			79.43		80.0			
Ammonium Sulfate	82.06	82	86.0	82			81.34	81		81			80.63	80		80			79.91	79	80.0	79		
Potassium Chloride	86.77	88	87.4	88			85.11	86		86			83.62	85		84			82.32	82	82.8	82		
Potassium Nitrate	95.96	95	95.1	95			94.62	93		93			92.31	91		91			89.03	88	89.4	88		
Potassium Sulfate	98.18	98	98.2	98			97.59	97		97			97.00	96		96			96.41	96	96.1	96		

a Values from this work.  
 b Values from reference 24 and 25 which are identical.  
 c Values from reference 26.  
 d Values from reference 27.  
 e Values from reference 28.  
 f Values from reference 29.