

TABLE 2. Equilibrium Relative Humidity of Selected Saturated Salt Solutions from 0 to 100 °C

T °C	Relative Humidity, %									
	Cesium Fluoride	Lithium Bromide	Zinc Bromide	Potassium Hydroxide	Sodium Hydroxide	Lithium Chloride	Calcium Bromide	Lithium Iodide	Potassium Acetate	Potassium Fluoride
0	5.52 ± 1.9	7.75 ± 0.83	8.86 ± 0.89	14.34 ± 1.7	9.57 ± 2.8	11.23 ± 0.54	21.62 ± 0.13	21.68 ± 0.30	23.38 ± 0.53	30.85 ± 1.3
5	4.89 ± 1.6	7.43 ± 0.76	8.49 ± 0.74	12.34 ± 1.4	8.91 ± 2.4	11.26 ± 0.47	20.20 ± 0.12	20.61 ± 0.25	23.40 ± 0.32	27.27 ± 1.1
10	4.33 ± 1.4	6.86 ± 0.63	8.19 ± 0.61	10.68 ± 1.1	8.24 ± 2.1	11.29 ± 0.41	18.50 ± 0.12	19.57 ± 0.20	23.11 ± 0.25	24.59 ± 0.94
15	3.83 ± 1.1	6.61 ± 0.58	7.94 ± 0.49	9.32 ± 0.90	7.58 ± 1.7	11.30 ± 0.35	16.50 ± 0.12	18.56 ± 0.16	22.51 ± 0.32	22.68 ± 0.81
20	3.39 ± 0.94	6.37 ± 0.52	7.75 ± 0.39	8.23 ± 0.72	7.38 ± 0.56	11.31 ± 0.31		17.56 ± 0.13		21.46 ± 0.70
25	3.01 ± 0.77	6.16 ± 0.47	7.62 ± 0.31	7.38 ± 0.44	7.38 ± 0.44	11.30 ± 0.27		16.57 ± 0.10		20.80 ± 0.62
30	2.69 ± 0.63	5.97 ± 0.43	7.55 ± 0.25	6.73 ± 0.35	6.92 ± 1.5	11.28 ± 0.24		15.57 ± 0.08		20.60 ± 0.56
35	2.44 ± 0.52	5.80 ± 0.39	7.54 ± 0.17	6.26 ± 0.27	6.26 ± 1.2	11.25 ± 0.22		14.55 ± 0.06		21.18 ± 0.53
40	2.24 ± 0.44	5.65 ± 0.35	7.59 ± 0.17	5.94 ± 0.29	5.60 ± 1.0	11.21 ± 0.21		13.49 ± 0.05		22.33 ± 0.61
45	2.11 ± 0.40	5.53 ± 0.31	7.70 ± 0.16	5.72 ± 0.27	4.94 ± 0.85	11.16 ± 0.21		12.38 ± 0.05		22.85 ± 0.69
50	2.04 ± 0.38	5.42 ± 0.28	7.87 ± 0.17	5.58 ± 0.28	4.27 ± 0.73	11.03 ± 0.23		11.22 ± 0.05		23.20 ± 0.80
55	2.03 ± 0.40	5.33 ± 0.25	8.09 ± 0.19	5.49 ± 0.32	3.61 ± 0.65	10.95 ± 0.26		9.98 ± 0.06		21.74 ± 0.56
60	2.08 ± 0.44	5.27 ± 0.23	8.38 ± 0.24	5.41 ± 0.39	2.95 ± 0.60	10.86 ± 0.29		8.65 ± 0.07		22.33 ± 0.61
65	2.20 ± 0.52	5.23 ± 0.21	8.72 ± 0.30	5.32 ± 0.50	1.63 ± 0.64	10.75 ± 0.33		7.23 ± 0.09		21.74 ± 0.56
70	2.37 ± 0.62	5.20 ± 0.19				10.64 ± 0.38				22.85 ± 0.69
75	2.61 ± 0.76	5.20 ± 0.18				10.51 ± 0.44				23.20 ± 0.80
80		5.22 ± 0.17				10.38 ± 0.51				23.27 ± 0.93
85		5.26 ± 0.17				10.23 ± 0.59				
90		5.32 ± 0.16				10.07 ± 0.67				
95		5.41 ± 0.16				9.90 ± 0.77				
100		5.41 ± 0.17								

TABLE 2. Equilibrium Relative Humidity of Selected Saturated Salt Solutions from 0 to 100 °C—Continued

T °C	Relative Humidity, %									
	Magnesium Chloride	Sodium Iodide	Potassium Carbonate	Magnesium Nitrate	Sodium Bromide	Cobalt Chloride	Potassium Iodide	Strontium Chloride	Sodium Nitrate	Sodium Chloride
0	33.66 ± 0.33	42.42 ± 0.99	43.13 ± 0.66	60.35 ± 0.55	63.51 ± 0.72	64.92 ± 3.5	73.30 ± 0.34	77.13 ± 0.12	78.57 ± 0.52	75.51 ± 0.34
5	33.60 ± 0.28	41.83 ± 0.83	43.14 ± 0.59	58.86 ± 0.43	62.15 ± 0.60	61.83 ± 2.8	72.11 ± 0.31	75.66 ± 0.09	77.53 ± 0.45	75.65 ± 0.27
10	33.30 ± 0.21	40.88 ± 0.70	43.15 ± 0.33	57.36 ± 0.33	60.68 ± 0.51	58.63 ± 2.2	70.98 ± 0.28	74.13 ± 0.06	76.46 ± 0.39	75.67 ± 0.22
15	33.07 ± 0.18	39.65 ± 0.59	43.16 ± 0.33	55.87 ± 0.27	59.14 ± 0.44	55.48 ± 1.8	69.90 ± 0.26	72.52 ± 0.05	75.36 ± 0.35	75.61 ± 0.18
20	32.78 ± 0.16	38.17 ± 0.50	43.16 ± 0.39	54.38 ± 0.23	57.57 ± 0.40	54.92 ± 1.5	68.86 ± 0.24	70.85 ± 0.04	75.47 ± 0.14	75.47 ± 0.14
25	32.44 ± 0.14	36.51 ± 0.43	43.17 ± 0.50	52.89 ± 0.22	56.03 ± 0.38	53.17 ± 0.41	67.89 ± 0.23	70.85 ± 0.04	74.25 ± 0.32	75.29 ± 0.12
30	32.05 ± 0.13	34.73 ± 0.39		51.40 ± 0.24	54.55 ± 0.38	51.95 ± 0.47	66.96 ± 0.23	69.12 ± 0.03	73.14 ± 0.31	75.09 ± 0.11
35	31.60 ± 0.13	32.88 ± 0.37		49.91 ± 0.29	53.17 ± 0.41	50.01 ± 1.4	66.09 ± 0.23	71.00 ± 0.34	72.06 ± 0.32	74.87 ± 0.12
40	31.10 ± 0.13	31.02 ± 0.37		48.42 ± 0.37	51.95 ± 0.47	48.02 ± 1.4	65.26 ± 0.24	71.00 ± 0.34	71.00 ± 0.34	74.68 ± 0.13
45	30.54 ± 0.14	29.21 ± 0.40		46.93 ± 0.47	50.93 ± 0.55	46.74 ± 1.5	64.49 ± 0.26	69.99 ± 0.37	69.99 ± 0.37	74.52 ± 0.16
50	29.93 ± 0.16	27.50 ± 0.45		45.44 ± 0.60	50.15 ± 0.65	46.33 ± 1.9	63.78 ± 0.28	69.04 ± 0.42	69.04 ± 0.42	74.43 ± 0.19
55	29.36 ± 0.18	25.95 ± 0.52			49.49 ± 0.94	46.33 ± 1.9	63.11 ± 0.31	68.15 ± 0.49	68.15 ± 0.49	74.50 ± 0.30
60	28.54 ± 0.21	24.62 ± 0.62			49.70 ± 1.1	46.97 ± 2.3	62.50 ± 0.34	67.35 ± 0.57	67.35 ± 0.57	74.71 ± 0.37
65	27.77 ± 0.25	23.57 ± 0.74			49.70 ± 1.1	46.97 ± 2.3	61.93 ± 0.38	66.64 ± 0.67	66.64 ± 0.67	74.71 ± 0.37
70	26.94 ± 0.29	22.85 ± 0.88			50.33 ± 1.3	48.80 ± 2.9	61.43 ± 0.43	66.04 ± 0.78	66.04 ± 0.78	75.06 ± 0.45
75	26.05 ± 0.34	22.52 ± 1.0			51.43 ± 1.5	52.01 ± 3.7	60.97 ± 0.48	65.56 ± 0.91	65.56 ± 0.91	75.58 ± 0.55
80	25.11 ± 0.39	22.63 ± 1.2					60.56 ± 0.54	65.22 ± 1.1	65.22 ± 1.1	76.29 ± 0.65
85	24.12 ± 0.46	22.63 ± 1.4					60.21 ± 0.61	65.00 ± 1.4	65.00 ± 1.4	
90	23.07 ± 0.52	23.25 ± 1.4								
95	23.07 ± 0.52									
100	21.97 ± 0.60									