

**ภาคผนวก**

ภาคผนวก ก

ข้อมูลผลการทดสอบสารดูความชื้น

ตารางที่ ก 1 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 28 °C สารซิลิกาเจลจำนวน 4 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in( °C)	28.1	28.3	28.4	28.4	28.6	28.3	28.3	28.2	27.9	28.1	28	28	28.1	28	28
%RH, in(%)	57.7298	57.9557	57.7257	57.9543	57.7230	57.9557	57.9557	58.1867	58.1908	58.1881	57.9598	58.1895	58.1881	58.1895	58.1895
T, out( °C)	31.9	31.9	31.8	31.7	31.7	31.4	31.2	31	30.9	30.8	30.6	30.6	30.6	30.5	30.4
%RH, out(%)	57.2212	57.6736	57.2228	57.4501	57.2244	57.4549	57.4580	57.4610	57.9175	57.6911	57.6941	57.6941	57.6941	57.4686	57.6972
w, in(g moisture/kg dry air)	0.0099	0.0098	0.0099	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0099	0.0098	0.0098	0.0098
w, out(g moisture/kg dry air)	0.0091	0.0089	0.0091	0.0091	0.0091	0.0091	0.0092	0.0093	0.0091	0.0092	0.0093	0.0093	0.0093	0.0094	0.0093
Absorption Rate(kg/hr)	0.1697	0.1734	0.1488	0.1437	0.1332	0.1334	0.1230	0.1037	0.1425	0.1127	0.1217	0.1076	0.1023	0.0882	0.0972

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in( °C)	27.9	28	27.8	27.9	27.8	28.1	28.3	28.2	28.3	28.4	28.4	28.5	28.5	28.6	28.6
%RH, in(%)	58.1908	57.9598	58.1922	58.1908	58.1922	57.9584	58.1853	58.1867	57.9557	57.9543	57.9543	57.9530	57.7244	57.7230	57.9516
T, out( °C)	30.3	30.2	30.1	30	30	30.1	30.2	30.1	30.1	30.3	30.2	30.2	30.2	30.3	30.3
%RH, out(%)	57.6987	57.4730	57.7016	57.9313	57.9313	57.4744	57.4730	57.7016	57.4744	57.4715	57.4730	57.7002	57.4730	57.2453	57.4715
w, in(g moisture/kg dry air)	0.0098	0.0099	0.0099	0.0098	0.0099	0.0099	0.0097	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0097
w, out(g moisture/kg dry air)	0.0094	0.0095	0.0094	0.0094	0.0094	0.0095	0.0095	0.0094	0.0095	0.0094	0.0095	0.0094	0.0095	0.0095	0.0094
Absorption Rate(kg/hr)	0.0972	0.0867	0.0920	0.0957	0.1010	0.0763	0.0569	0.0711	0.0658	0.0710	0.0657	0.0747	0.0746	0.0604	0.0605

ตารางที่ ก 1 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 28 °C สารซิลิกาเจลจำนวน 4 แกว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	28.8	28.6	28.7	28.6	28.8	28.7	28.8	28.6	28.8	28.8	28.7	28.9	28.7	28.5	28.7
%RH, in(%)	57.7203	57.7230	57.4941	57.7230	57.7203	57.4941	57.7203	57.7230	57.7203	57.7203	57.7216	57.4914	57.9502	57.7244	57.7216
T, out(°C)	30.3	30.2	30.2	30.1	30.3	30.1	30.2	30.1	30.1	30.1	30.2	30.1	30	29.8	29.9
%RH, out(%)	57.4715	57.4730	57.4730	57.7016	57.2453	57.4744	57.4730	57.7016	57.4744	57.4744	57.4730	57.2482	57.7031	57.4788	57.2510
w, in(g moisture/kg dry air)	0.0097	0.0098	0.0098	0.0098	0.0097	0.0098	0.0097	0.0098	0.0097	0.0097	0.0098	0.0098	0.0097	0.0098	0.0098
w, out(g moisture/kg dry air)	0.0094	0.0095	0.0095	0.0094	0.0095	0.0095	0.0095	0.0094	0.0095	0.0095	0.0095	0.0096	0.0094	0.0096	0.0096
Absorption Rate(kg/hr)	0.0641	0.0694	0.0783	0.0784	0.0500	0.0731	0.0589	0.0784	0.0537	0.0537	0.0642	0.0485	0.0538	0.0538	0.0343

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	28.7	28.8	28.9	28.9	29	28.9	28.9	29	28.8	28.6	28.6	28.6	28.6	28.5	28.2
%RH, in(%)	57.7216	57.4927	57.7189	57.7189	57.4900	57.7189	57.7189	57.4900	57.4927	57.7230	57.4954	57.7230	57.9516	57.9530	57.9571
T, out(°C)	30	30.1	30	30.1	30.1	30	30.1	30.1	29.9	29.7	29.9	29.8	29.7	29.6	29.5
%RH, out(%)	57.4759	57.2482	57.4759	57.4744	57.0229	57.4759	57.4744	57.2482	57.2510	57.7075	57.2510	57.4788	57.7075	57.9372	57.9387
w, in(g moisture/kg dry air)	0.0098	0.0098	0.0097	0.0097	0.0098	0.0097	0.0097	0.0098	0.0098	0.0098	0.0099	0.0098	0.0097	0.0098	0.0098
w, out(g moisture/kg dry air)	0.0095	0.0096	0.0095	0.0095	0.0096	0.0095	0.0095	0.0096	0.0096	0.0095	0.0096	0.0096	0.0095	0.0095	0.0095
Absorption Rate(kg/hr)	0.0537	0.0537	0.0433	0.0485	0.0290	0.0433	0.0485	0.0432	0.0433	0.0575	0.0538	0.0486	0.0434	0.0575	0.0680

ตารางที่ ก 2 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 28 °C สารซิลิกาเจลจำนวน 4 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	27.8	28.1	28.2	28.3	28.5	28.5	28.5	28.5	28.6	28.6	28.7	28.7	28.6	28.7	28.7
%RH, in(%)	58.6546	58.8830	59.1151	58.8800	58.8770	58.8770	58.8770	59.1105	58.8756	58.6431	58.8740	58.8740	58.8756	58.8740	58.8740
T, out(°C)	31.5	31.6	31.4	31.2	31.2	31	30.9	30.8	30.8	30.7	30.7	30.6	30.4	30.3	30.4
%RH, out(%)	58.1365	58.5951	58.1382	58.3712	58.1415	58.3746	58.3762	58.3778	58.3778	58.1495	58.3795	58.1511	58.1543	58.6169	58.3843
w, in(g moisture/kg dry air)	0.0097	0.0096	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0094	0.0095	0.0095	0.0094	0.0094	0.0095	0.0094
w, out(g moisture/kg dry air)	0.0089	0.0087	0.0089	0.0089	0.0090	0.0090	0.0090	0.0090	0.0090	0.0091	0.0090	0.0091	0.0092	0.0091	0.0091
Absorption Rate(kg/hr)	0.4396	0.4488	0.2953	0.3283	0.2630	0.2727	0.2589	0.2078	0.2311	0.2171	0.2033	0.1520	0.1382	0.1852	0.1617

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	28.5	28.7	28.7	28.6	28.6	28.6	28.6	28.7	28.7	28.5	28.6	28.8	28.7	28.6	28.7
%RH, in(%)	59.1105	58.6416	58.6416	58.8756	58.6431	58.8756	59.1090	58.8740	58.8740	59.1105	59.1090	58.6401	58.8740	59.1090	58.8740
T, out(°C)	30.3	30.3	30.3	30.2	30.1	30	30.1	30.1	30	29.8	29.9	30.1	30	29.8	29.8
%RH, out(%)	58.6169	58.3859	58.1558	58.1574	58.6201	58.8537	58.3890	58.3890	58.6217	59.0901	58.8554	58.3890	58.6217	58.6248	58.3937
w, in(g moisture/kg dry air)	0.0094	0.0095	0.0095	0.0095	0.0095	0.0095	0.0094	0.0094	0.0094	0.0094	0.0094	0.0095	0.0094	0.0094	0.0094
w, out(g moisture/kg dry air)	0.0091	0.0092	0.0092	0.0092	0.0091	0.0091	0.0092	0.0092	0.0092	0.0091	0.0091	0.0092	0.0092	0.0092	0.0093
Absorption Rate(kg/hr)	0.1759	0.1852	0.1477	0.1104	0.2088	0.1948	0.0968	0.1201	0.1436	0.1810	0.1437	0.1435	0.1436	0.0925	0.0784

ตารางที่ ก 2 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 4 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	28.6	28.6	28.6	28.7	28.6	28.6	28.6	28.5	28.6	28.6	28.8	28.7	28.7	28.6	28.6
%RH, in(%)	58.8756	58.8756	58.8756	58.6416	58.8756	59.1090	59.3435	59.3450	59.1090	58.8756	58.8725	58.8740	58.8740	58.6431	59.1090
T, out(°C)	29.8	29.8	29.7	29.7	29.7	29.7	29.5	29.5	29.5	29.5	29.7	29.6	29.7	29.4	29.4
%RH, out(%)	58.3937	58.8570	58.6264	58.3952	58.3952	58.6264	58.6295	58.8617	58.6295	58.6295	58.3952	58.3967	58.6264	58.3998	58.8633
w, in(g moisture/kg dry air)	0.0095	0.0095	0.0095	0.0095	0.0095	0.0094	0.0093	0.0093	0.0093	0.0094	0.0095	0.0094	0.0094	0.0095	0.0094
w, out(g moisture/kg dry air)	0.0093	0.0091	0.0092	0.0093	0.0093	0.0092	0.0093	0.0092	0.0093	0.0093	0.0093	0.0093	0.0092	0.0094	0.0092
Absorption Rate(kg/hr)	0.0923	0.1671	0.1158	0.1018	0.0784	0.0786	0.0135	0.0648	0.0507	0.0880	0.0505	0.0506	0.1019	0.0740	0.0742

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	28.5	28.7	28.7	28.6	28.5	28.6	28.5	28.5	28.5	28.5	28.4	28.6	28.6	28.5	28.6
%RH, in(%)	59.1105	59.1075	58.8740	59.1090	58.8770	58.8756	58.6445	58.8770	58.6445	58.6445	59.1121	59.1090	58.8756	58.8770	58.8756
T, out(°C)	29.5	29.5	29.6	29.6	29.5	29.4	29.4	29.3	29.5	29.3	29.2	29.3	29.4	29.2	29.3
%RH, out(%)	58.8617	58.6295	58.6280	58.6280	58.6295	58.3998	58.6310	58.6326	58.6295	58.4013	58.6341	58.4013	58.3998	58.4028	58.4013
w, in(g moisture/kg dry air)	0.0094	0.0094	0.0094	0.0094	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0094	0.0094	0.0095	0.0095
w, out(g moisture/kg dry air)	0.0092	0.0093	0.0093	0.0093	0.0093	0.0094	0.0093	0.0093	0.0093	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094
Absorption Rate(kg/hr)	0.1020	0.0368	0.0880	0.0647	0.1020	0.0367	0.1255	0.0741	0.1394	0.0741	0.0368	-0.0146	0.0367	0.0227	0.0227

ตารางที่ ก 3 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 4 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	29	29.1	29.1	29	29	29.1	29	29.2	29.1	29.4	29.2	29.2	29.2	29.1	29.1
%RH, in(%)	54.6192	53.9780	53.9780	54.6192	54.4049	54.8333	54.6192	54.1894	54.8333	54.6148	54.6170	54.6170	54.1894	54.6181	55.0494
T, out(°C)	32.7	32.6	32.4	32.1	31.9	31.8	31.6	31.8	31.4	31.6	31.4	31.4	31.3	31.2	30.9
%RH, out(%)	54.1488	53.9383	53.7298	54.3690	54.1587	55.0166	54.3752	54.1599	54.5914	54.5889	54.8061	54.5914	54.3788	54.8086	55.0281
w, in(g moisture/kg dry air)	0.0107	0.0109	0.0109	0.0107	0.0108	0.0106	0.0107	0.0108	0.0106	0.0106	0.0106	0.0106	0.0108	0.0107	0.0105
w, out(g moisture/kg dry air)	0.0099	0.0100	0.0101	0.0100	0.0101	0.0098	0.0101	0.0101	0.0101	0.0100	0.0100	0.0101	0.0102	0.0101	0.0101
Absorption Rate(kg/hr)	0.4185	0.4668	0.4028	0.3764	0.3498	0.3975	0.3100	0.3472	0.2700	0.2936	0.3311	0.2939	0.3182	0.3180	0.2406

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	29.2	29.2	29.1	29.2	29	29.1	29.1	29.1	29.1	29.2	29	29.2	29	28.9	29.1
%RH, in(%)	55.2653	54.4027	55.2665	55.0483	55.4856	55.4845	54.6181	54.8333	54.6181	55.2653	55.7046	54.8322	55.2676	55.4868	55.0494
T, out(°C)	30.9	31.1	30.8	30.8	30.7	30.6	30.8	30.7	30.6	30.6	30.3	30.4	30.3	30.1	30.4
%RH, out(%)	55.2447	54.3812	55.2460	55.0293	55.4649	55.4662	55.0293	55.0305	54.8159	55.2485	55.6886	54.6034	55.6886	55.4724	55.4687
w, in(g moisture/kg dry air)	0.0104	0.0107	0.0105	0.0105	0.0104	0.0104	0.0107	0.0106	0.0107	0.0104	0.0103	0.0106	0.0105	0.0104	0.0105
w, out(g moisture/kg dry air)	0.0100	0.0102	0.0100	0.0101	0.0100	0.0100	0.0101	0.0101	0.0102	0.0101	0.0100	0.0103	0.0100	0.0101	0.0100
Absorption Rate(kg/hr)	0.2272	0.2540	0.2273	0.2139	0.2273	0.2006	0.3020	0.2513	0.2381	0.1872	0.1739	0.1232	0.2481	0.1607	0.2482

ตารางที่ ก 3 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 4 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	29	29.1	29	29	29	29	28.9	29	28.9	29	28.9	28.9	29.1	28.8	29.1
%RH, in(%)	55.4856	55.0494	55.2676	55.0506	55.0506	55.2676	55.2688	55.4856	55.7058	55.2676	55.4868	55.2688	55.2665	55.2699	55.4845
T, out(°C)	30.2	30.3	30.1	30	30.1	30	30	30	29.8	29.9	29.9	29.9	29.9	29.8	30
%RH, out(%)	55.6898	55.2522	55.2546	55.0390	55.0378	55.2559	55.4736	55.4736	55.6948	55.2571	55.6936	55.4749	55.2571	55.4761	55.6924
w, in(g moisture/kg dry air)	0.0104	0.0105	0.0105	0.0106	0.0106	0.0105	0.0105	0.0104	0.0104	0.0105	0.0104	0.0105	0.0105	0.0105	0.0104
w, out(g moisture/kg dry air)	0.0100	0.0101	0.0102	0.0103	0.0103	0.0102	0.0101	0.0101	0.0101	0.0102	0.0101	0.0102	0.0102	0.0102	0.0101
Absorption Rate(kg/hr)	0.1976	0.1978	0.1473	0.1340	0.1473	0.1339	0.1845	0.1339	0.1206	0.1206	0.1710	0.1711	0.1072	0.1712	0.1575

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	29.2	29.1	29	28.9	28.9	28.9	29.1	29	28.9	29	29	28.8	29.1	28.9	28.9
%RH, in(%)	55.2653	55.7034	55.4856	55.2688	55.2688	55.2688	55.2665	55.2676	55.2688	55.2676	55.7046	55.2699	55.7034	55.2688	55.7058
T, out(°C)	30	29.9	29.8	29.7	29.8	29.7	29.8	29.8	29.7	29.7	29.6	29.6	29.7	29.6	29.6
%RH, out(%)	55.4736	55.6936	55.2583	55.6961	55.4761	55.4773	55.2583	55.4761	55.2594	55.2594	55.9170	55.6973	55.4773	55.2606	55.4785
w, in(g moisture/kg dry air)	0.0104	0.0103	0.0104	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0103	0.0105	0.0103	0.0105	0.0104
w, out(g moisture/kg dry air)	0.0101	0.0101	0.0103	0.0102	0.0102	0.0102	0.0103	0.0102	0.0103	0.0103	0.0101	0.0102	0.0102	0.0103	0.0103
Absorption Rate(kg/hr)	0.1442	0.1071	0.0700	0.1815	0.1578	0.1444	0.0938	0.1443	0.1072	0.0938	0.1174	0.1815	0.0433	0.0939	0.0567



ตารางที่ ก 4 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 34 °C สารซิลิกาเจลจำนวน 4 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	34.1	34.3	34.4	34.9	34.7	34.4	34.2	34.2	34.1	34.1	34	33.9	34.2	34.4	34.6
%RH, in(%)	60.1825	59.7063	60.1754	59.4584	59.9322	59.2365	59.9439	59.9439	59.7108	59.9462	59.9484	59.7153	59.7086	59.7040	59.9345
T, out(°C)	36.1	36.2	36.2	36.4	36.3	36	35.8	35.6	35.5	35.4	35.4	35.2	35.3	35.4	35.5
%RH, out(%)	60.1325	58.9632	59.6604	58.7279	59.4245	58.9680	58.9727	59.6755	58.9797	59.2139	59.4467	59.2185	58.9843	58.9820	59.4443
w, in(g moisture/kg dry air)	0.0076	0.0077	0.0075	0.0076	0.0075	0.0078	0.0077	0.0077	0.0078	0.0077	0.0077	0.0078	0.0077	0.0077	0.0076
w, out(g moisture/kg dry air)	0.0071	0.0074	0.0072	0.0074	0.0073	0.0075	0.0075	0.0074	0.0076	0.0076	0.0075	0.0076	0.0077	0.0076	0.0075
Absorption Rate(kg/hr)	0.1069	0.0588	0.0679	0.0373	0.0571	0.0713	0.0286	0.0607	0.0322	0.0269	0.0465	0.0412	0.0161	0.0107	0.0197

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	34.5	34.6	34.4	34.4	34.3	34.5	34.5	34.6	34.3	34.2	34	34.1	34.3	34.7	34.7
%RH, in(%)	59.7017	59.4653	59.9392	59.4698	59.7063	59.9369	59.9369	59.6994	59.7063	59.9439	60.1848	59.9462	59.9416	60.4051	59.9322
T, out(°C)	35.5	35.4	35.2	35.3	35.1	35.2	35.3	35.3	35	35	34.8	34.8	35	35	35.1
%RH, out(%)	59.2115	59.2139	59.6853	59.2162	59.2208	59.6853	59.4491	59.2162	59.4561	59.4561	59.9298	59.4607	59.4561	59.6901	59.6877
w, in(g moisture/kg dry air)	0.0077	0.0077	0.0076	0.0078	0.0077	0.0076	0.0076	0.0076	0.0077	0.0077	0.0076	0.0077	0.0076	0.0074	0.0075
w, out(g moisture/kg dry air)	0.0075	0.0076	0.0075	0.0076	0.0076	0.0075	0.0075	0.0076	0.0076	0.0076	0.0075	0.0076	0.0076	0.0075	0.0075
Absorption Rate(kg/hr)	0.0250	0.0286	0.0286	0.0339	0.0143	0.0233	0.0144	0.0090	0.0233	0.0144	0.0287	0.0090	0.0090	0.0265	0.0072

ตารางที่ ก 4 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 34 °C สารซิลิกาเจลจำนวน 4 แกว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in( °C)	34.9	34.8	34.5	34.2	34.4	34.5	34.3	34	34.4	34.8	34.7	34.4	34.5	34.5	34.1
%RH, in(%)	59.9274	59.6948	59.7017	59.9439	60.1754	60.1730	60.4149	60.4221	60.6505	59.9298	59.9322	59.9392	59.7017	60.1730	60.1825
T, out( °C)	35.2	35.2	35	34.7	34.9	34.8	34.8	34.5	34.8	35.1	35	34.9	34.9	34.9	34.5
%RH, out(%)	59.4514	59.6853	59.4561	59.6971	59.6924	59.2276	59.6948	59.9369	60.1657	59.6877	59.4561	59.4584	58.9932	59.6924	59.9369
w, in(g moisture/kg dry air)	0.0075	0.0076	0.0077	0.0077	0.0075	0.0075	0.0075	0.0076	0.0074	0.0075	0.0075	0.0076	0.0077	0.0075	0.0076
w, out(g moisture/kg dry air)	0.0075	0.0075	0.0076	0.0076	0.0076	0.0077	0.0076	0.0076	0.0074	0.0075	0.0076	0.0076	0.0078	0.0076	0.0076
Absorption Rate(kg/hr)	0.0124	0.0214	0.0125	0.0126	0.0016	0.0409	0.0158	0.0016	0.0068	0.0019	0.0124	0.0017	0.0214	0.0070	0.0073

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in( °C)	34.3	34.5	34.8	34.5	34.3	34.6	34.8	34.4	35	34	33.7	34	34.3	34	34.3
%RH, in(%)	59.7063	59.9369	59.9298	59.7017	60.4149	59.9345	60.1657	59.9392	59.9250	60.1848	60.4291	60.4221	60.1778	60.4221	60.1778
T, out( °C)	34.7	34.9	35.2	34.9	34.5	35	35	34.7	35.2	34.2	34.1	34.4	34.5	34.2	34.4
%RH, out(%)	59.4630	59.4584	58.9865	59.4584	59.7017	59.4561	59.4561	59.4630	59.4514	59.9439	59.9462	60.1754	59.4675	59.9439	59.9392
w, in(g moisture/kg dry air)	0.0077	0.0076	0.0075	0.0077	0.0075	0.0076	0.0074	0.0076	0.0075	0.0076	0.0077	0.0076	0.0076	0.0076	0.0076
w, out(g moisture/kg dry air)	0.0077	0.0076	0.0077	0.0076	0.0077	0.0076	0.0076	0.0077	0.0075	0.0077	0.0077	0.0075	0.0077	0.0077	0.0076
Absorption Rate(kg/hr)	0.0072	0.0070	0.0356	0.0072	0.0319	0.0070	0.0319	0.0124	0.0177	0.0035	0.0069	0.0073	0.0320	0.0177	0.0088

ตารางที่ ก 5 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 4 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	33	33	33.3	33.3	33.3	33.2	33	32.9	33.2	33.3	33.5	33.5	33.9	33.9	33.7
%RH, in(%)	52.0394	52.2439	52.2439	52.2439	51.8406	52.2476	52.0466	52.0489	52.0466	51.8452	52.0454	51.8440	51.8394	51.6401	51.8440
T, out(°C)	35.5	35.4	35.4	35.4	35.2	35.1	34.9	34.7	34.9	34.8	35	34.9	35.3	35.1	34.9
%RH, out(%)	52.0679	52.0679	52.0647	51.8618	51.8618	52.0658	51.8650	51.8660	51.8629	51.8618	51.8597	51.6577	51.6534	51.6534	51.4545
w, in(g moisture/kg dry air)	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0106	0.0106	0.0106	0.0105	0.0105	0.0106	0.0105	0.0105	0.0106
w, out(g moisture/kg dry air)	0.0099	0.0098	0.0098	0.0098	0.0100	0.0099	0.0100	0.0101	0.0100	0.0101	0.0100	0.0101	0.0100	0.0101	0.0101
Absorption Rate(kg/hr)	0.1980	0.2129	0.1890	0.2118	0.1505	0.1733	0.1735	0.1657	0.1576	0.1189	0.1416	0.1338	0.1336	0.0950	0.1408

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	33.7	33.7	33.7	33.6	33.8	33.8	33.9	33.9	33.9	33.8	33.6	33.4	33.6	33.6	33.8
%RH, in(%)	51.8440	51.8440	51.8440	51.8452	51.8440	51.8452	51.6423	51.8452	51.6423	51.6446	51.6457	51.8497	51.8475	51.8486	51.6457
T, out(°C)	34.9	34.9	34.9	34.8	34.9	34.8	34.9	34.8	34.9	34.7	34.6	34.4	34.6	34.5	34.6
%RH, out(%)	51.6556	51.6556	51.4545	51.4555	51.6545	51.4534	51.4524	51.4524	51.4524	51.4534	51.4555	51.6587	51.4555	51.4555	51.6545
w, in(g moisture/kg dry air)	0.0105	0.0105	0.0106	0.0106	0.0105	0.0106	0.0105	0.0105	0.0105	0.0106	0.0106	0.0106	0.0106	0.0106	0.0105
w, out(g moisture/kg dry air)	0.0101	0.0101	0.0101	0.0101	0.0101	0.0101	0.0102	0.0101	0.0102	0.0102	0.0103	0.0103	0.0102	0.0102	0.0103
Absorption Rate(kg/hr)	0.1179	0.1179	0.1408	0.1409	0.1100	0.1250	0.1021	0.1170	0.1021	0.0942	0.1022	0.1022	0.1251	0.1172	0.0634

ตารางที่ ก 5 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 4 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	33.7	33.6	33.5	33.6	33.5	33.8	33.8	33.8	33.9	33.9	34	34.1	34.1	34.2	34.1
%RH, in(%)	51.4448	51.6468	51.6490	51.6479	51.8497	51.6468	51.8486	51.8486	51.6468	51.8475	51.6457	51.6457	51.6446	51.6446	51.8475
T, out(°C)	34.6	34.5	34.3	34.4	34.4	34.5	34.5	34.5	34.5	34.6	34.6	34.6	34.7	34.7	34.6
%RH, out(%)	51.2542	51.4555	51.4566	51.4555	51.6577	51.4534	51.4534	51.4534	51.4524	51.4524	51.6523	51.4502	51.2501	51.4492	51.6512
w, in(g moisture/kg dry air)	0.0107	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0105	0.0105	0.0104	0.0105	0.0106	0.0105	0.0104
w, out(g moisture/kg dry air)	0.0104	0.0103	0.0104	0.0103	0.0103	0.0103	0.0102	0.0102	0.0103	0.0102	0.0103	0.0103	0.0102	0.0102	0.0102
Absorption Rate(kg/hr)	0.0943	0.0943	0.0864	0.0864	0.0943	0.0784	0.1013	0.1013	0.0705	0.1012	0.0475	0.0625	0.0934	0.0625	0.0624

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	34.4	34.3	34.5	34.5	33.8	33.5	33.4	33.2	33.2	33.1	33.2	33.2	33.2	33	33.1
%RH, in(%)	51.6435	51.8452	51.6435	51.6423	51.8497	51.6512	51.8531	51.8553	51.8564	51.8575	51.6545	51.8564	51.8564	51.8575	52.0614
T, out(°C)	34.8	34.8	34.8	34.9	34.4	34.1	34.1	33.9	33.8	33.7	33.8	33.8	33.8	33.7	33.6
%RH, out(%)	51.2469	51.6490	51.2458	51.2458	51.6545	51.4566	51.6587	51.6608	51.4597	51.6619	51.4597	51.6608	51.6608	51.6629	51.6619
w, in(g moisture/kg dry air)	0.0105	0.0104	0.0105	0.0105	0.0105	0.0106	0.0106	0.0106	0.0107	0.0107	0.0107	0.0106	0.0106	0.0107	0.0107
w, out(g moisture/kg dry air)	0.0102	0.0101	0.0102	0.0102	0.0103	0.0104	0.0103	0.0104	0.0104	0.0104	0.0105	0.0104	0.0104	0.0104	0.0104
Absorption Rate(kg/hr)	0.0775	0.0624	0.0695	0.0774	0.0704	0.0706	0.0785	0.0785	0.0936	0.0706	0.0707	0.0706	0.0706	0.0786	0.0856

ตารางที่ ก 6 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 4 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	33.9	33.9	33.8	33.9	34.1	34.1	34.2	34.2	34.2	34	33.9	34.1	34.1	34.3	34.3
%RH, in(%)	53.2579	52.6386	52.4365	52.6426	52.4391	52.4391	52.6453	52.4417	52.2377	52.6492	52.6518	52.6505	52.6505	52.4455	52.2414
T, out(°C)	36.5	36.5	36.3	36.2	36.1	36.1	36	35.9	35.9	35.7	35.5	35.6	35.6	35.6	35.6
%RH, out(%)	52.4661	52.4661	52.4673	52.4661	52.4638	52.2594	52.2582	52.2582	52.2582	52.4650	52.6715	52.2594	52.2594	52.4614	52.0535
w, in(g moisture/kg dry air)	0.0102	0.0102	0.0102	0.0102	0.0101	0.0102	0.0102	0.0102	0.0102	0.0101	0.0101	0.0102	0.0102	0.0101	0.0102
w, out(g moisture/kg dry air)	0.0092	0.0094	0.0095	0.0095	0.0096	0.0096	0.0095	0.0096	0.0097	0.0096	0.0097	0.0096	0.0096	0.0097	0.0098
Absorption Rate(kg/hr)	0.4902	0.3785	0.3281	0.3393	0.2624	0.3001	0.3113	0.2607	0.2232	0.2608	0.2103	0.2722	0.2722	0.1707	0.2085

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	34	33.7	33.6	33.7	33.7	33.5	33.9	33.8	33.9	33.9	33.7	33.9	33.8	33.8	33.8
%RH, in(%)	52.6556	52.6593	52.6593	52.8653	52.6593	52.6618	52.6593	52.4542	52.2500	52.2500	52.2524	52.0478	52.0489	52.0478	52.0501
T, out(°C)	35.2	34.9	34.9	34.9	34.9	34.7	34.9	34.9	34.9	34.9	34.7	34.8	34.7	34.8	34.6
%RH, out(%)	52.4650	52.8800	52.4696	52.4684	52.6738	52.4707	52.4661	52.2628	52.0581	52.0581	52.2639	51.8553	51.6545	51.8564	51.6545
w, in(g moisture/kg dry air)	0.0101	0.0101	0.0102	0.0102	0.0101	0.0103	0.0102	0.0103	0.0103	0.0103	0.0103	0.0104	0.0105	0.0104	0.0105
w, out(g moisture/kg dry air)	0.0097	0.0098	0.0098	0.0098	0.0098	0.0099	0.0098	0.0099	0.0100	0.0100	0.0100	0.0101	0.0101	0.0101	0.0101
Absorption Rate(kg/hr)	0.1953	0.1204	0.2088	0.2331	0.1580	0.1957	0.1692	0.1825	0.1694	0.1694	0.1317	0.1564	0.1945	0.1696	0.1814

ตารางที่ ก 6 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 4 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	33.9	33.6	33.7	33.7	33.7	33.6	33.6	33.6	33.2	33.2	33.2	33.1	33.2	33.1	33.1
%RH, in(%)	51.6446	51.8475	52.0512	52.0501	52.2559	52.4603	52.2571	52.4614	52.4650	52.8776	52.8776	52.8788	52.8776	53.0859	53.0871
T, out(°C)	34.7	34.6	34.5	34.6	34.4	34.4	34.3	34.3	34	33.9	33.9	33.8	33.9	33.8	33.7
%RH, out(%)	51.6534	51.6566	51.8575	51.8575	52.0603	52.2651	52.0614	52.2651	52.4741	52.4741	52.6796	52.8871	52.6796	52.6807	52.6807
w, in(g moisture/kg dry air)	0.0105	0.0105	0.0104	0.0104	0.0104	0.0103	0.0104	0.0103	0.0103	0.0103	0.0103	0.0102	0.0103	0.0103	0.0103
w, out(g moisture/kg dry air)	0.0102	0.0102	0.0102	0.0101	0.0101	0.0100	0.0101	0.0101	0.0101	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100
Absorption Rate(kg/hr)	0.1054	0.1699	0.1434	0.1566	0.1301	0.1432	0.1302	0.1301	0.1056	0.1678	0.1301	0.0924	0.1301	0.1676	0.1545

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	33.2	33.2	33.2	33.1	33	33.2	33	33	33.2	33.2	33.2	33.1	33	33	33
%RH, in(%)	53.2939	53.2939	53.0859	53.2951	53.5052	53.5040	53.7162	53.9282	53.7150	53.9243	53.9256	53.9256	54.1385	53.9282	54.1385
T, out(°C)	33.8	33.8	33.8	33.7	33.6	33.7	33.5	33.4	33.6	33.7	33.6	33.6	33.5	33.4	33.5
%RH, out(%)	53.0931	53.0931	53.0931	53.0943	53.3036	53.5102	53.3036	53.5126	53.5102	53.7200	53.9308	53.7213	53.9333	53.9333	54.1450
w, in(g moisture/kg dry air)	0.0101	0.0101	0.0101	0.0101	0.0101	0.0100	0.0101	0.0100	0.0100	0.0099	0.0098	0.0099	0.0099	0.0099	0.0098
w, out(g moisture/kg dry air)	0.0099	0.0099	0.0100	0.0099	0.0099	0.0098	0.0098	0.0098	0.0098	0.0097	0.0097	0.0097	0.0097	0.0098	0.0097
Absorption Rate(kg/hr)	0.1166	0.1166	0.0792	0.1167	0.1166	0.0660	0.1407	0.1274	0.0901	0.1031	0.0528	0.1032	0.1031	0.0528	0.0660

ตารางที่ ก 7 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 4 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	38.3	38.1	38.3	38.5	38.5	38.6	38.7	38.2	38.2	38	38.2	38.2	38.5	38.5	38.5
%RH, in(%)	54.7054	54.6906	54.4706	54.6809	54.4706	54.2554	54.2554	54.2647	54.4762	54.2701	54.4781	54.2647	54.2665	54.2683	54.2628
T, out(°C)	38.1	38.9	39.3	39.4	39.3	39.5	39.5	39	39	38.7	38.9	39	38.9	38.8	39.1
%RH, out(%)	54.7018	54.7054	54.2772	54.4855	54.4855	54.0610	53.8493	53.8578	54.0679	54.2824	53.8578	53.8578	53.8527	53.8527	53.8527
w, in(g moisture/kg dry air)	0.0082	0.0083	0.0084	0.0082	0.0082	0.0084	0.0084	0.0085	0.0085	0.0084	0.0085	0.0085	0.0085	0.0085	0.0085
w, out(g moisture/kg dry air)	0.0083	0.0081	0.0080	0.0079	0.0080	0.0081	0.0081	0.0082	0.0081	0.0083	0.0081	0.0082	0.0082	0.0082	0.0082
Absorption Rate(kg/hr)	0.0105	0.0418	0.0668	0.0615	0.0417	0.0616	0.0710	0.0712	0.0711	0.0366	0.0806	0.0712	0.0502	0.0450	0.0607

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	38.4	38.4	38.4	38.3	38.5	38.6	38.4	38.3	38.3	38.3	38.5	38.3	38.4	38.4	38.6
%RH, in(%)	54.4781	54.2683	54.2701	54.2683	54.4800	54.4781	54.0575	54.4818	54.2701	54.2701	54.2701	54.0610	54.2701	54.4873	54.0610
T, out(°C)	38.9	38.8	38.7	38.8	38.8	38.9	38.8	38.7	38.7	38.7	38.7	38.6	38.7	38.4	38.6
%RH, out(%)	54.2755	54.2755	54.2755	54.0662	54.2737	54.0610	53.6451	54.2772	54.0662	54.0662	54.2737	54.0662	54.0645	54.2755	54.0610
w, in(g moisture/kg dry air)	0.0083	0.0083	0.0083	0.0084	0.0083	0.0084	0.0086	0.0084	0.0084	0.0084	0.0083	0.0084	0.0084	0.0083	0.0084
w, out(g moisture/kg dry air)	0.0081	0.0082	0.0083	0.0082	0.0082	0.0081	0.0083	0.0082	0.0083	0.0083	0.0083	0.0084	0.0083	0.0083	0.0084
Absorption Rate(kg/hr)	0.0407	0.0209	0.0157	0.0408	0.0303	0.0449	0.0503	0.0355	0.0356	0.0356	0.0104	0.0157	0.0303	0.0146	0.0000

ตารางที่ ก 7 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 4 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	38.3	38.4	38.4	38.5	38.5	38.3	38.5	38.5	38.5	38.6	38.6	38.7	38.7	38.6	38.6
%RH, in(%)	53.8527	54.2737	54.2755	53.8527	54.6981	54.0628	54.4855	54.2737	54.6999	54.4836	54.0628	54.4818	54.4818	54.6999	54.0628
T, out(°C)	38.5	38.5	38.4	38.5	38.5	38.5	38.5	38.5	38.4	38.6	38.5	38.7	38.7	38.4	38.5
%RH, out(%)	53.8561	54.0645	54.0645	54.0628	54.2737	54.0662	54.0628	53.8527	54.4855	54.2719	54.0610	54.2701	54.0593	54.4836	54.0610
w, in(g moisture/kg dry air)	0.0085	0.0084	0.0084	0.0084	0.0083	0.0084	0.0084	0.0085	0.0082	0.0083	0.0084	0.0083	0.0083	0.0082	0.0084
w, out(g moisture/kg dry air)	0.0085	0.0083	0.0083	0.0085	0.0082	0.0084	0.0082	0.0083	0.0082	0.0082	0.0084	0.0082	0.0082	0.0082	0.0084
Absorption Rate(kg/hr)	0.0105	0.0199	0.0147	0.0147	0.0292	0.0105	0.0293	0.0294	0.0094	0.0146	0.0052	0.0146	0.0293	0.0041	0.0052

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	38.6	38.2	38.1	38.8	38.3	38.1	38.2	38.1	38	38.7	38.6	38.6	38.7	38.6	38.6
%RH, in(%)	54.4873	54.4909	54.7054	54.2719	54.7036	54.7054	54.0696	54.7072	54.4944	54.7018	54.6999	54.4836	54.6999	54.6999	54.6981
T, out(°C)	38.4	38.2	38.1	38.6	38.2	38.1	38.1	38	38	38.3	38.4	38.6	38.4	38.4	38.5
%RH, out(%)	54.4836	54.2790	54.2807	53.8475	54.4891	54.2807	53.8578	54.2807	54.0713	54.2701	54.2719	54.0610	54.4818	54.2719	54.2719
w, in(g moisture/kg dry air)	0.0082	0.0084	0.0084	0.0084	0.0083	0.0084	0.0085	0.0084	0.0085	0.0083	0.0083	0.0084	0.0082	0.0083	0.0083
w, out(g moisture/kg dry air)	0.0083	0.0083	0.0083	0.0083	0.0082	0.0083	0.0085	0.0083	0.0084	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082
Absorption Rate(kg/hr)	0.0104	0.0147	0.0293	0.0189	0.0094	0.0293	0.0095	0.0241	0.0294	0.0083	0.0188	0.0293	0.0011	0.0188	0.0240



ตารางที่ 8 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 4 แก้ว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	38.4	39.1	39.4	38.3	38.5	38.8	38.3	38.6	38.5	38.7	38.4	38.4	38.7	38.8	38.6
%RH, in(%)	59.1418	58.8798	58.8676	59.1244	58.8917	59.1154	58.8974	58.8946	58.4374	58.8917	58.8974	58.9003	58.6656	58.8917	58.8974
T, out(°C)	38.2	39.3	39.7	38.8	38.9	39.1	38.7	38.8	38.8	38.9	38.7	38.6	38.8	38.9	38.7
%RH, out(%)	58.6767	58.2020	58.6482	58.6794	58.6739	58.4374	58.6794	58.4429	58.2182	58.2129	58.4483	58.6767	58.4402	57.9838	58.4429
w, in(g moisture/kg dry air)	0.0069	0.0069	0.0067	0.0070	0.0069	0.0069	0.0070	0.0069	0.0070	0.0070	0.0070	0.0069	0.0069	0.0070	0.0069
w, out(g moisture/kg dry air)	0.0068	0.0066	0.0065	0.0067	0.0067	0.0066	0.0068	0.0068	0.0069	0.0067	0.0068	0.0068	0.0068	0.0067	0.0068
Absorption Rate(kg/hr)	0.0319	0.0955	0.0539	0.0986	0.0636	0.1049	0.0636	0.0701	0.0542	0.0957	0.0797	0.0446	0.0351	0.1118	0.0606

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	38.9	38.6	38.4	37.9	38.2	38.3	38.2	38.3	38.4	38.5	38.2	38.1	38.3	38.2	38.4
%RH, in(%)	58.6656	58.6712	58.9060	59.1502	59.3759	59.3701	59.8410	60.5388	60.3065	60.5321	60.3065	60.5453	60.0718	60.3128	60.7785
T, out(°C)	38.8	38.6	38.4	37.9	38.1	38.3	38.1	38.3	38.2	38.5	38.2	38.1	38.2	38	38.2
%RH, out(%)	57.9812	57.7634	58.4483	58.4615	58.4536	58.6794	58.9115	59.3701	59.3671	59.3642	59.3730	59.6080	58.9088	59.6050	59.5990
w, in(g moisture/kg dry air)	0.0070	0.0072	0.0070	0.0071	0.0071	0.0070	0.0069	0.0068	0.0067	0.0067	0.0068	0.0067	0.0069	0.0067	0.0067
w, out(g moisture/kg dry air)	0.0068	0.0069	0.0069	0.0069	0.0068	0.0068	0.0067	0.0064	0.0065	0.0064	0.0065	0.0065	0.0066	0.0066	0.0064
Absorption Rate(kg/hr)	0.0673	0.1026	0.0511	0.0767	0.0925	0.0764	0.0920	0.1261	0.0820	0.1260	0.1011	0.1009	0.1172	0.0567	0.1068

ตารางที่ ก 8 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 4 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	38.4	38.2	38.4	38.4	38.6	38.3	38.7	38.6	38.4	38.3	38.3	38.4	38.2	38.6	38.2
%RH, in(%)	60.5421	60.7785	60.5388	60.5421	60.3033	60.5421	61.0089	60.3000	60.5421	61.0227	60.5453	61.0193	61.0193	60.3033	60.7852
T, out(°C)	38.2	38.2	38.3	38.2	38.3	38.2	38.4	38.4	38.2	38	38.1	38.1	38.1	38.3	38
%RH, out(%)	59.5990	59.8380	59.5990	59.5990	60.0591	59.8349	60.0559	59.5930	59.5990	60.3033	59.8349	60.0655	60.0718	59.8256	60.3065
w, in(g moisture/kg dry air)	0.0067	0.0066	0.0067	0.0067	0.0065	0.0066	0.0064	0.0066	0.0067	0.0065	0.0066	0.0065	0.0066	0.0065	0.0065
w, out(g moisture/kg dry air)	0.0064	0.0064	0.0064	0.0064	0.0065	0.0064	0.0063	0.0065	0.0064	0.0064	0.0065	0.0063	0.0063	0.0065	0.0064
Absorption Rate(kg/hr)	0.0817	0.1006	0.0912	0.0817	0.0034	0.0660	0.0717	0.0566	0.0817	0.0466	0.0565	0.0717	0.0908	0.0218	0.0311

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	38.2	38.7	38.4	38.3	38.6	38.2	38.4	38.2	38.2	38.2	38.2	38.3	38.5	38.1	38.4
%RH, in(%)	60.7852	61.0124	60.5421	61.0261	60.7752	61.0261	60.7752	61.0227	61.0294	61.5004	61.2646	61.0227	61.4968	61.0261	61.0227
T, out(°C)	38	38.3	38.2	37.9	38.3	37.9	38.3	38	37.8	38	37.9	38	38.1	37.9	38
%RH, out(%)	60.0718	60.2902	59.8318	59.8349	60.0591	60.0718	60.0655	60.3065	60.5421	60.5421	60.5421	60.3033	60.5321	60.3097	60.0655
w, in(g moisture/kg dry air)	0.0066	0.0064	0.0066	0.0066	0.0065	0.0066	0.0065	0.0065	0.0064	0.0064	0.0064	0.0065	0.0064	0.0065	0.0065
w, out(g moisture/kg dry air)	0.0064	0.0063	0.0064	0.0064	0.0063	0.0064	0.0063	0.0064	0.0064	0.0062	0.0063	0.0064	0.0062	0.0064	0.0064
Absorption Rate(kg/hr)	0.0563	0.0370	0.0564	0.0875	0.0467	0.0718	0.0658	0.0561	0.0120	0.0808	0.0464	0.0466	0.0617	0.0562	0.0622

ตารางที่ ก 9 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 4 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	38.2	38.5	38.5	38.3	38.4	38.6	38.5	38.5	38.8	38.5	38.5	37.9	38	38.2	38.3
%RH, in(%)	52.0043	51.5976	51.7984	51.6003	51.7998	51.5962	51.3976	51.5976	51.3935	51.1984	51.1984	51.4055	51.4042	51.2023	51.2010
T, out(°C)	40	40	39.9	39.6	39.5	39.5	39.4	39.2	39.4	39.1	39.1	38.6	38.5	38.7	38.6
%RH, out(%)	51.9778	51.5762	51.9794	51.7826	51.7841	51.3838	51.3852	51.5878	51.5850	51.3894	51.3894	51.5962	51.3976	51.1957	51.1971
w, in(g moisture/kg dry air)	0.0092	0.0093	0.0092	0.0093	0.0092	0.0092	0.0093	0.0093	0.0093	0.0094	0.0094	0.0095	0.0095	0.0095	0.0095
w, out(g moisture/kg dry air)	0.0087	0.0089	0.0088	0.0089	0.0089	0.0091	0.0091	0.0091	0.0090	0.0092	0.0092	0.0092	0.0093	0.0094	0.0094
Absorption Rate(kg/hr)	0.3260	0.2716	0.3056	0.2880	0.1994	0.1107	0.1632	0.1270	0.1611	0.1615	0.1615	0.1799	0.0909	0.0909	0.0545

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	38.3	38.4	38.3	38.3	38.4	38.3	38.4	38.6	38.6	38.6	38.7	38	38.2	38.1	38.3
%RH, in(%)	51.2010	51.1997	51.2010	51.0026	51.1997	51.2010	51.0013	50.9987	50.9987	50.9987	51.1957	51.2048	51.4015	51.0051	51.2010
T, out(°C)	38.7	38.7	38.6	38.7	38.6	38.6	38.6	38.8	38.8	38.8	38.8	38.3	38.4	38.3	38.4
%RH, out(%)	51.3949	51.3949	51.3962	51.1957	51.1971	51.1971	51.1971	51.1944	51.1944	51.1944	51.3935	51.6003	51.7998	51.2010	51.3989
w, in(g moisture/kg dry air)	0.0095	0.0094	0.0095	0.0095	0.0094	0.0095	0.0095	0.0095	0.0095	0.0095	0.0094	0.0095	0.0094	0.0096	0.0095
w, out(g moisture/kg dry air)	0.0093	0.0093	0.0093	0.0094	0.0094	0.0094	0.0094	0.0093	0.0093	0.0093	0.0093	0.0093	0.0092	0.0095	0.0094
Absorption Rate(kg/hr)	0.1253	0.1071	0.1072	0.1255	0.0363	0.0545	0.0891	0.0891	0.0891	0.0891	0.0708	0.1599	0.1414	0.0892	0.0709

ตารางที่ ก 9 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 4 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	38.4	38.4	38.2	38.4	38.4	38.5	38.6	38.8	38.1	38	38.2	38.3	38.4	38.1	37.8
%RH, in(%)	51.1997	51.0013	51.0038	51.0013	50.8037	51.0000	50.9987	50.7986	51.0051	51.2048	51.2023	50.8050	51.0013	51.0051	51.2074
T, out(°C)	38.5	38.4	38.3	38.4	38.5	38.5	38.6	38.8	38.2	38	38.2	38.3	38.4	38.1	37.8
%RH, out(%)	51.1984	51.0013	51.0026	51.0013	50.8024	51.0000	51.1971	50.9961	51.4015	51.6043	51.4015	51.4002	51.1997	51.4029	51.6069
w, in(g moisture/kg dry air)	0.0094	0.0095	0.0096	0.0095	0.0096	0.0095	0.0095	0.0095	0.0096	0.0095	0.0095	0.0096	0.0095	0.0096	0.0096
w, out(g moisture/kg dry air)	0.0094	0.0095	0.0095	0.0095	0.0096	0.0095	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094
Absorption Rate(kg/hr)	0.0182	0.0000	0.0182	0.0000	0.0182	0.0000	0.0528	0.0529	0.1238	0.1054	0.0527	0.1585	0.0528	0.1056	0.1055

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	38.4	38.1	38.3	38.3	38.1	38.1	38.2	38.4	38.2	38	38.1	38.1	38.2	38.2	38.1
%RH, in(%)	51.0013	51.2036	51.0026	51.0026	50.8074	51.0051	51.0038	51.0013	51.2023	50.8087	51.0051	50.8074	51.0038	50.8062	51.0051
T, out(°C)	38.4	38.1	38.2	38.1	38	38	38.2	38.2	38.2	38	38	38	38.1	38	38.1
%RH, out(%)	51.1997	51.4029	51.2023	51.2036	51.2048	51.4042	51.0038	51.0038	51.6016	50.8087	51.2048	51.2048	51.2036	51.2048	51.4029
w, in(g moisture/kg dry air)	0.0095	0.0095	0.0095	0.0095	0.0097	0.0096	0.0096	0.0095	0.0095	0.0097	0.0096	0.0097	0.0096	0.0096	0.0096
w, out(g moisture/kg dry air)	0.0094	0.0094	0.0095	0.0095	0.0095	0.0095	0.0096	0.0096	0.0093	0.0097	0.0095	0.0095	0.0095	0.0095	0.0094
Absorption Rate(kg/hr)	0.0528	0.0527	0.0346	0.0165	0.0877	0.0874	0.0000	-0.0364	0.1053	0.0000	0.0347	0.0877	0.0347	0.0695	0.1056

ตารางที่ ก 10 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 6 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	27.4	27.5	27.5	27.6	27.6	27.6	27.7	27.8	27.9	27.8	27.8	27.9	27.9	28	27.9
%RH, in(%)	59.3615	58.6588	59.1253	59.1239	58.8902	59.1239	58.8887	58.8873	59.1195	58.8873	59.1210	58.6532	58.8859	59.1180	58.8859
T, out(°C)	32.6	33.1	32.3	32.2	32.1	31.9	31.8	31.7	31.6	31.6	31.4	31.5	31.4	31.3	31.2
%RH, out(%)	58.1177	57.6533	58.1229	58.1247	58.1264	58.1298	58.1315	58.1332	58.1349	58.1349	58.1382	57.9078	58.1382	58.1398	58.1415
w, in(g moisture/kg dry air)	0.0096	0.0098	0.0097	0.0096	0.0097	0.0096	0.0097	0.0097	0.0096	0.0097	0.0096	0.0097	0.0096	0.0095	0.0096
w, out(g moisture/kg dry air)	0.0086	0.0086	0.0087	0.0087	0.0088	0.0088	0.0088	0.0089	0.0089	0.0089	0.0089	0.0090	0.0089	0.0090	0.0090
Absorption Rate(kg/hr)	0.2008	0.2351	0.1940	0.1836	0.1924	0.1681	0.1716	0.1612	0.1368	0.1560	0.1317	0.1455	0.1404	0.1160	0.1300

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	28	28	28	28	28	28	28	28	28	28	28	28	27.9	28.1	28
%RH, in(%)	58.8844	59.1180	58.8844	58.6518	58.8844	58.8844	59.1180	58.8844	58.8844	58.8844	58.8844	58.8844	59.1195	59.1165	59.1180
T, out(°C)	31.2	31.1	31	31	30.9	30.8	30.7	30.7	30.7	30.6	30.6	30.5	30.4	30.5	30.4
%RH, out(%)	58.1415	58.1431	58.1447	58.1447	58.3762	57.9190	58.1495	58.1495	58.1495	58.3811	58.3811	58.6136	58.6153	58.3827	58.3843
w, in(g moisture/kg dry air)	0.0096	0.0095	0.0096	0.0097	0.0096	0.0096	0.0095	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0095	0.0095
w, out(g moisture/kg dry air)	0.0090	0.0090	0.0090	0.0090	0.0090	0.0092	0.0091	0.0091	0.0091	0.0091	0.0091	0.0090	0.0091	0.0091	0.0091
Absorption Rate(kg/hr)	0.1248	0.1056	0.1144	0.1284	0.1233	0.0900	0.0849	0.0988	0.0988	0.1077	0.1077	0.1165	0.1026	0.0833	0.0833

ตารางที่ ก 11 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 6 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	28	28	28	28.1	28.1	28.1	28.1	28	28.1	28.1	28.1	28.1	28	28	28
%RH, in(%)	59.3527	59.3527	59.1180	59.1165	59.1165	59.1165	59.1165	59.3527	58.8830	59.1165	59.1165	59.1165	59.3527	59.3527	59.1180
T, out(°C)	30.3	30.3	30.4	30.3	30.3	30.2	30.2	30.1	30.2	30.2	30	30	30	29.9	30
%RH, out(%)	58.6169	58.3859	58.3843	58.3859	58.3859	58.6185	58.6185	58.6201	58.3874	58.3874	58.3906	58.3906	58.6217	58.6233	58.3906
w, in(g moisture/kg dry air)	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0096	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095
w, out(g moisture/kg dry air)	0.0091	0.0092	0.0091	0.0092	0.0092	0.0091	0.0091	0.0091	0.0092	0.0092	0.0092	0.0092	0.0092	0.0092	0.0092
Absorption Rate(kg/hr)	0.0782	0.0641	0.0833	0.0729	0.0729	0.0817	0.0817	0.0678	0.0816	0.0677	0.0572	0.0572	0.0625	0.0573	0.0625

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	28.1	28.1	28.1	28.2	28.1	28.1	28.1	28.1	28	28	28	28.1	28	28.1	28.1
%RH, in(%)	59.1165	59.1165	59.1165	59.1151	59.1165	59.1165	59.1165	59.1165	59.3527	59.3527	59.3527	59.1165	59.1180	59.3511	59.1165
T, out(°C)	30	29.9	29.9	29.9	29.9	29.8	29.8	29.7	29.7	29.8	29.7	29.8	29.7	29.7	29.8
%RH, out(%)	58.6217	58.6233	58.6233	58.6233	58.6233	58.3937	58.6248	58.6264	58.8586	58.6248	58.6264	58.3937	58.6264	58.6264	58.6248
w, in(g moisture/kg dry air)	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0094	0.0095
w, out(g moisture/kg dry air)	0.0092	0.0092	0.0092	0.0092	0.0092	0.0093	0.0092	0.0092	0.0092	0.0092	0.0092	0.0093	0.0092	0.0092	0.0092
Absorption Rate(kg/hr)	0.0713	0.0661	0.0661	0.0608	0.0661	0.0468	0.0608	0.0556	0.0609	0.0521	0.0469	0.0468	0.0609	0.0417	0.0608

ตารางที่ ก 11 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 6 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	28.9	28.7	28.7	28.8	28.8	28.9	28.8	28.8	28.8	28.8	28.7	28.7	28.7	28.7	28.6
%RH, in(%)	56.1465	56.1489	56.1489	56.1477	55.9268	55.9256	55.9268	55.9268	55.9268	55.9268	55.9280	55.9280	55.9280	55.9280	55.9292
T, out(°C)	33.9	33.5	33.2	33	32.8	32.6	32.4	32.4	32.2	32	31.8	31.7	31.6	31.6	31.5
%RH, out(%)	55.4205	55.4265	55.4309	55.2167	55.4366	55.4395	55.4423	55.4423	55.4450	55.4478	55.6688	55.6701	55.4532	55.4532	55.2370
w, in(g moisture/kg dry air)	0.0102	0.0103	0.0103	0.0102	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0104
w, out(g moisture/kg dry air)	0.0091	0.0092	0.0093	0.0094	0.0094	0.0095	0.0095	0.0095	0.0095	0.0096	0.0096	0.0096	0.0096	0.0097	0.0098
Absorption Rate(kg/hr)	0.4108	0.3916	0.3622	0.3054	0.3403	0.3108	0.3011	0.3011	0.2814	0.2618	0.2794	0.2696	0.2324	0.2324	0.2050

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	28.6	28.6	28.7	28.7	28.7	28.8	28.7	28.8	28.8	28.8	28.7	28.8	28.8	28.7	28.6
%RH, in(%)	55.9292	55.9292	56.1489	56.1489	56.1489	56.3695	56.1489	56.1477	56.1477	56.1477	55.9280	56.1477	56.1477	56.3707	55.9292
T, out(°C)	31.3	31.2	31.3	31.2	31.1	31.1	31	31	31	30.8	30.9	30.9	30.7	30.7	30.7
%RH, out(%)	55.4571	55.6769	55.6755	55.6769	55.6782	55.8976	55.6795	55.6795	55.6795	55.6821	55.6808	55.6808	55.9029	55.9029	55.6834
w, in(g moisture/kg dry air)	0.0104	0.0104	0.0103	0.0103	0.0103	0.0102	0.0103	0.0102	0.0102	0.0102	0.0103	0.0102	0.0102	0.0102	0.0104
w, out(g moisture/kg dry air)	0.0098	0.0098	0.0097	0.0098	0.0098	0.0097	0.0098	0.0098	0.0098	0.0099	0.0098	0.0098	0.0098	0.0098	0.0099
Absorption Rate(kg/hr)	0.2127	0.2303	0.2029	0.1930	0.1831	0.1733	0.1733	0.1633	0.1633	0.1436	0.1907	0.1534	0.1610	0.1437	0.1809

ตารางที่ ก 11 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 6 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	28.7	28.5	28.5	28.4	28.3	28.3	28.2	28.3	28.3	28.3	28.3	28.3	28.4	28.3	28.2
%RH, in(%)	55.7081	55.9304	55.7104	56.1525	56.1537	55.7128	55.9339	55.7128	55.9328	55.9328	56.1537	56.3756	56.1525	56.3756	56.1549
T, out(°C)	30.7	30.5	30.4	30.3	30.2	30.2	30.1	30.1	30.1	30.2	30	29.9	29.9	29.9	29.8
%RH, out(%)	55.4649	55.2497	55.2510	55.6886	55.9094	55.6898	55.4724	55.4724	55.4724	55.4712	55.6924	56.1339	55.9133	55.9133	55.9145
w, in(g moisture/kg dry air)	0.0104	0.0104	0.0105	0.0103	0.0104	0.0105	0.0105	0.0105	0.0105	0.0104	0.0104	0.0104	0.0103	0.0103	0.0104
w, out(g moisture/kg dry air)	0.0100	0.0101	0.0101	0.0100	0.0100	0.0100	0.0101	0.0101	0.0101	0.0101	0.0101	0.0101	0.0100	0.0100	0.0101
Absorption Rate(kg/hr)	0.1709	0.1161	0.1337	0.1339	0.1614	0.1888	0.1339	0.1514	0.1240	0.1339	0.1141	0.1317	0.1217	0.1043	0.1317

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	28.2	28.4	28.5	28.6	28.7	28.7	28.6	28.8	28.7	28.6	28.5	28.5	28.6	28.6	28.7
%RH, in(%)	56.1549	56.1525	55.9304	55.9292	56.5935	56.5935	56.8185	56.5922	55.9280	55.9292	55.9304	55.7104	55.7093	55.7093	55.7081
T, out(°C)	29.8	29.9	30	30	29.9	30	29.9	30	30	29.9	29.9	29.9	29.9	29.9	29.9
%RH, out(%)	55.9145	55.9133	55.6924	55.6924	56.1339	56.3541	56.3554	56.3541	55.6924	55.6936	55.6936	55.4749	55.4749	55.4749	55.4749
w, in(g moisture/kg dry air)	0.0104	0.0103	0.0104	0.0104	0.0101	0.0101	0.0101	0.0101	0.0103	0.0104	0.0104	0.0105	0.0104	0.0104	0.0104
w, out(g moisture/kg dry air)	0.0101	0.0100	0.0101	0.0101	0.0100	0.0099	0.0099	0.0099	0.0101	0.0101	0.0101	0.0102	0.0102	0.0102	0.0102
Absorption Rate(kg/hr)	0.1317	0.1217	0.1216	0.1116	0.0646	0.1018	0.0747	0.0919	0.1017	0.1017	0.1117	0.1117	0.1017	0.1017	0.0917



ตารางที่ ก 12 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 6 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	28.5	28.6	28.7	28.6	28.9	28.7	28.6	28.6	28.7	28.6	28.8	28.9	28.8	28.8	28.8
%RH, in(%)	56.5960	56.3720	56.5935	57.0432	56.5909	56.5935	57.0432	56.8185	57.0419	56.8185	56.5922	57.0392	57.0406	56.5922	56.8159
T, out(°C)	32.1	32.3	32.1	31.6	31.6	31.3	31.1	31	30.8	30.8	30.7	30.6	30.4	30.4	30.3
%RH, out(%)	61.1850	56.5437	56.7696	57.2259	56.7771	57.0056	57.0085	57.0100	57.2380	57.2380	57.2395	57.0158	57.2439	57.0187	57.2453
w, in(g moisture/kg dry air)	0.0102	0.0102	0.0101	0.0100	0.0101	0.0101	0.0100	0.0101	0.0100	0.0101	0.0101	0.0099	0.0100	0.0101	0.0100
w, out(g moisture/kg dry air)	0.0079	0.0092	0.0092	0.0092	0.0093	0.0093	0.0094	0.0094	0.0094	0.0094	0.0094	0.0095	0.0095	0.0095	0.0095
Absorption Rate(kg/hr)	1.1367	0.5051	0.4669	0.4162	0.3782	0.4005	0.3183	0.3405	0.3022	0.3498	0.3464	0.2166	0.2387	0.2737	0.2608

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	28.9	28.7	28.8	28.9	28.7	28.8	28.7	28.9	28.9	28.9	28.8	28.8	28.9	28.7	28.6
%RH, in(%)	57.0392	57.0419	57.0406	56.8146	57.0419	56.8159	57.0419	56.5909	56.8146	56.8146	57.0406	57.0406	57.0392	56.8172	56.8185
T, out(°C)	30.4	30.2	30.1	30.1	30	29.9	29.9	30	29.9	29.9	29.8	29.7	29.7	29.6	29.5
%RH, out(%)	57.2439	57.4730	57.4744	57.0229	57.2496	57.2510	57.4773	57.2496	57.4773	57.2510	57.4788	57.2539	57.2539	57.7090	57.2566
w, in(g moisture/kg dry air)	0.0099	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0101	0.0100	0.0100	0.0100	0.0100	0.0099	0.0101	0.0101
w, out(g moisture/kg dry air)	0.0095	0.0095	0.0095	0.0096	0.0096	0.0096	0.0095	0.0096	0.0095	0.0096	0.0096	0.0097	0.0097	0.0095	0.0097
Absorption Rate(kg/hr)	0.2259	0.2607	0.2352	0.1879	0.2006	0.2100	0.2226	0.2448	0.2318	0.1972	0.1971	0.1497	0.1369	0.2539	0.1847

ตารางที่ ก 12 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 6 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	28.6	28.6	28.5	28.5	28.9	28.8	28.9	29	28.9	29	29	29	28.5	28.8	28.3
%RH, in(%)	57.2688	57.4954	57.2701	57.4968	57.4914	57.2662	57.4914	57.2635	57.2648	57.2635	57.2635	57.4900	57.7244	57.4927	57.4994
T, out(°C)	29.4	29.4	29.4	29.3	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29	29.2	28.8
%RH, out(%)	57.4844	57.7118	57.7118	57.9416	57.7118	57.2566	57.7104	57.4830	57.4830	57.9387	57.4830	57.4830	57.9459	57.9431	57.7203
w, in(g moisture/kg dry air)	0.0099	0.0099	0.0100	0.0099	0.0098	0.0099	0.0098	0.0098	0.0099	0.0098	0.0098	0.0098	0.0098	0.0098	0.0099
w, out(g moisture/kg dry air)	0.0097	0.0096	0.0096	0.0096	0.0096	0.0097	0.0096	0.0096	0.0096	0.0095	0.0096	0.0096	0.0096	0.0096	0.0097
Absorption Rate(kg/hr)	0.1369	0.1368	0.1844	0.1714	0.0984	0.0894	0.1112	0.0985	0.1113	0.1676	0.0985	0.0638	0.0985	0.1203	0.0987

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	28.2	28.1	28.2	28.3	28.7	28.5	28.7	28.5	28.3	28.5	28.4	28.4	28.4	28.2	28.2
%RH, in(%)	57.5008	57.2753	57.5008	57.2727	57.4941	57.2701	57.2675	57.7244	57.2727	57.7244	57.9543	57.7257	57.4981	57.7284	57.9571
T, out(°C)	28.8	28.7	28.7	28.9	29.1	29	29	28.9	28.9	28.8	28.8	28.8	28.8	28.6	28.5
%RH, out(%)	57.9488	57.9502	58.1797	57.7189	57.9445	57.7175	57.7175	57.9473	57.9473	58.4087	58.4087	57.9488	58.1782	58.4116	58.4130
w, in(g moisture/kg dry air)	0.0100	0.0101	0.0100	0.0100	0.0098	0.0100	0.0099	0.0098	0.0100	0.0098	0.0098	0.0099	0.0099	0.0099	0.0098
w, out(g moisture/kg dry air)	0.0097	0.0097	0.0096	0.0097	0.0096	0.0097	0.0097	0.0097	0.0097	0.0095	0.0095	0.0097	0.0096	0.0096	0.0096
Absorption Rate(kg/hr)	0.1461	0.1810	0.1679	0.1463	0.1203	0.1334	0.1078	0.0857	0.1809	0.1419	0.1201	0.0858	0.1550	0.1549	0.1074

ตารางที่ ก 13 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 6 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	34.1	34.6	35	34.8	34.5	34.8	34.6	34.9	34.8	34.8	34.8	34.5	34.9	34.9	35
%RH, in(%)	60.8971	59.9345	59.6901	59.6948	60.1730	59.2276	59.2321	59.9274	59.2276	59.2276	59.4607	59.2343	58.7620	59.4584	59.2231
T, out(°C)	37.1	37.6	37.8	37.7	37.5	37.7	37.4	37.5	37.2	37.3	37.1	36.8	37.1	36.9	37
%RH, out(%)	60.3402	59.1585	58.4641	58.4666	58.7006	58.2387	58.0189	58.7006	58.2510	58.4767	58.4816	58.4889	58.0260	58.4865	58.2558
w, in(g moisture/kg dry air)	0.0074	0.0076	0.0075	0.0076	0.0075	0.0077	0.0078	0.0075	0.0077	0.0077	0.0076	0.0078	0.0078	0.0076	0.0077
w, out(g moisture/kg dry air)	0.0068	0.0070	0.0072	0.0072	0.0072	0.0072	0.0074	0.0072	0.0074	0.0073	0.0073	0.0074	0.0075	0.0074	0.0074
Absorption Rate(kg/hr)	0.1274	0.1133	0.0753	0.0805	0.0722	0.0941	0.0751	0.0652	0.0684	0.0874	0.0634	0.0772	0.0718	0.0479	0.0478

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	35.1	34.9	34.7	34.5	35	35	34.8	35	35	34.7	34.6	34.7	34.8	34.8	34.6
%RH, in(%)	58.5275	58.7620	58.7663	58.7706	58.5297	58.5297	58.5339	58.3004	58.0720	58.5360	58.7685	58.3066	58.3045	58.7642	58.5381
T, out(°C)	37	36.8	36.5	36.4	36.7	36.6	36.4	36.5	36.5	36.2	36.1	36.2	36.1	36	36
%RH, out(%)	57.8019	58.0330	58.2675	58.2698	57.5829	57.8109	57.8153	57.5872	57.5872	57.8196	58.2766	57.8196	57.8218	58.0509	57.8239
w, in(g moisture/kg dry air)	0.0078	0.0078	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0080	0.0079	0.0079	0.0080	0.0080	0.0079	0.0080
w, out(g moisture/kg dry air)	0.0076	0.0075	0.0076	0.0076	0.0077	0.0077	0.0077	0.0078	0.0078	0.0078	0.0077	0.0078	0.0078	0.0078	0.0078
Absorption Rate(kg/hr)	0.0562	0.0564	0.0652	0.0704	0.0320	0.0408	0.0409	0.0356	0.0495	0.0357	0.0497	0.0496	0.0393	0.0203	0.0306

ตารางที่ ก 13 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 6 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	34.6	34.8	34.5	34.6	34.7	34.9	34.8	34.9	34.7	34.8	34.8	34.9	35.1	34.7	34.7
%RH, in(%)	58.5381	58.7642	58.7706	58.5381	58.7663	58.3025	58.7642	58.7620	58.5360	58.5339	58.9954	58.5318	58.7577	58.7663	58.5360
T, out(°C)	35.8	35.9	35.6	35.7	35.7	35.9	35.8	35.8	35.7	35.7	35.7	35.7	35.8	35.6	35.6
%RH, out(%)	58.0552	58.2810	58.2876	58.0574	58.5144	57.8261	58.2832	58.2832	58.5144	58.2854	58.5144	58.0574	58.2832	58.2876	58.2876
w, in(g moisture/kg dry air)	0.0080	0.0079	0.0079	0.0080	0.0079	0.0080	0.0079	0.0078	0.0079	0.0079	0.0078	0.0079	0.0078	0.0079	0.0079
w, out(g moisture/kg dry air)	0.0078	0.0077	0.0078	0.0078	0.0077	0.0078	0.0077	0.0077	0.0077	0.0078	0.0077	0.0078	0.0077	0.0078	0.0078
Absorption Rate(kg/hr)	0.0342	0.0291	0.0291	0.0290	0.0378	0.0238	0.0239	0.0187	0.0517	0.0326	0.0188	0.0135	0.0084	0.0188	0.0326

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	34.8	35.1	34.4	34.3	33.7	34.4	34.3	34.1	34	33.8	34.1	33.9	34	34	33.8
%RH, in(%)	58.9954	58.9888	58.7727	59.2387	59.0188	58.7727	58.7748	59.2430	59.2451	59.2493	58.7789	59.0147	59.2451	59.0126	59.0167
T, out(°C)	35.6	35.6	35.3	35.1	34.8	35	35.1	34.9	34.8	34.7	34.8	34.7	34.7	34.7	34.6
%RH, out(%)	58.5166	58.2876	58.2940	58.5275	58.5339	58.5297	58.5275	58.5318	58.7642	58.9976	58.3045	58.5360	58.9976	58.7663	58.9998
w, in(g moisture/kg dry air)	0.0078	0.0077	0.0080	0.0078	0.0081	0.0080	0.0080	0.0079	0.0079	0.0080	0.0080	0.0080	0.0079	0.0080	0.0080
w, out(g moisture/kg dry air)	0.0077	0.0078	0.0079	0.0078	0.0079	0.0079	0.0078	0.0079	0.0079	0.0078	0.0080	0.0079	0.0078	0.0079	0.0078
Absorption Rate(kg/hr)	0.0136	0.0158	0.0188	0.0002	0.0293	0.0172	0.0275	0.0002	0.0137	0.0328	0.0084	0.0137	0.0224	0.0224	0.0415

ตารางที่ ก 14 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 6 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	34.3	34.9	34.6	34.5	34.8	34.5	34.6	34.5	34.7	34.4	34.5	34.4	34.4	34.3	34.2
%RH, in(%)	56.5115	56.5012	56.0650	56.2869	56.0617	56.2869	56.2853	56.2869	56.2836	55.8490	56.2869	56.0683	56.0683	56.0700	56.0716
T, out(°C)	36.7	37.5	37.4	37.1	37	36.7	36.7	36.5	36.5	36.3	36.1	35.9	35.9	35.8	35.6
%RH, out(%)	56.4677	56.4516	56.2336	56.2396	56.0222	56.4677	56.2473	56.2512	56.4716	56.0353	56.4793	56.2623	56.0426	56.2642	56.0479
w, in(g moisture/kg dry air)	0.0087	0.0085	0.0087	0.0087	0.0087	0.0087	0.0087	0.0087	0.0086	0.0089	0.0087	0.0088	0.0088	0.0088	0.0088
w, out(g moisture/kg dry air)	0.0081	0.0079	0.0080	0.0080	0.0081	0.0081	0.0081	0.0082	0.0081	0.0083	0.0082	0.0083	0.0084	0.0084	0.0085
Absorption Rate(kg/hr)	0.2484	0.2683	0.3177	0.2688	0.2274	0.2560	0.2173	0.2070	0.2146	0.2254	0.1942	0.1840	0.1555	0.1841	0.1453

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	34.5	34.4	34.3	34.7	34.4	34.5	34.4	34.5	34.3	34.3	34	34.4	34.3	34.5	34.6
%RH, in(%)	55.6289	55.6305	55.8506	55.6257	55.8490	55.6289	55.8490	55.8473	55.8506	55.6321	56.2953	55.8490	55.8506	55.6289	55.8457
T, out(°C)	35.9	35.8	35.6	35.9	35.6	35.6	35.5	35.5	35.3	35.2	35	35.2	35	35.3	35.2
%RH, out(%)	55.8237	55.8255	56.0479	55.8237	55.8289	56.0479	56.0497	56.0497	55.8341	56.0549	56.4994	56.0549	56.2784	55.6159	56.0549
w, in(g moisture/kg dry air)	0.0089	0.0089	0.0089	0.0089	0.0089	0.0089	0.0089	0.0088	0.0089	0.0090	0.0088	0.0089	0.0089	0.0089	0.0088
w, out(g moisture/kg dry air)	0.0085	0.0085	0.0085	0.0085	0.0086	0.0085	0.0085	0.0085	0.0086	0.0086	0.0085	0.0086	0.0086	0.0087	0.0086
Absorption Rate(kg/hr)	0.1738	0.1739	0.1635	0.1530	0.1245	0.1714	0.1428	0.1324	0.1039	0.1508	0.1325	0.1117	0.1299	0.0831	0.0909

ตารางที่ ก 14 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 6 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	34.6	34.7	34.4	34.6	34.4	34.5	34.6	34.8	34.7	34.7	34.9	35.2	35.2	35.2	34.7
%RH, in(%)	55.6273	55.6257	55.8490	55.8457	55.8490	55.8473	55.8457	55.6241	55.6257	55.8441	55.6225	55.6175	55.6175	55.8358	55.8441
T, out(°C)	35.2	35.2	35.1	35.2	35	35	35.1	35.2	35	35.1	35.2	35.5	35.5	35.4	35.3
%RH, out(%)	56.0549	55.8358	56.2767	55.8358	56.0583	56.0583	55.8374	55.6175	56.0583	55.8374	56.0549	56.0497	56.0497	56.0514	56.0532
w, in(g moisture/kg dry air)	0.0089	0.0089	0.0089	0.0088	0.0089	0.0088	0.0088	0.0088	0.0089	0.0088	0.0088	0.0087	0.0087	0.0087	0.0088
w, out(g moisture/kg dry air)	0.0086	0.0087	0.0085	0.0087	0.0086	0.0086	0.0087	0.0087	0.0086	0.0087	0.0086	0.0085	0.0085	0.0085	0.0086
Absorption Rate(kg/hr)	0.1196	0.0806	0.1299	0.0623	0.0910	0.0806	0.0519	0.0415	0.0885	0.0415	0.0884	0.0883	0.0883	0.0493	0.0909

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	34.5	34.5	34.6	34.7	34.7	34.7	34.6	34.4	34.6	34.6	34.6	34.6	34.5	34.6	34.4
%RH, in(%)	55.8473	55.8473	56.0650	55.6257	55.6257	56.0634	55.8457	56.0683	55.8457	55.6273	55.8457	56.0650	56.0667	55.8457	56.0683
T, out(°C)	34.9	34.9	35	35	35	35	35	34.8	34.9	34.9	35	34.7	34.7	34.8	34.7
%RH, out(%)	56.0600	56.0600	56.0583	55.8391	56.2784	56.2784	56.0583	56.0617	56.0600	56.0600	55.8391	56.2836	56.2836	56.0617	56.0634
w, in(g moisture/kg dry air)	0.0088	0.0088	0.0087	0.0089	0.0089	0.0087	0.0088	0.0088	0.0088	0.0089	0.0088	0.0087	0.0088	0.0088	0.0088
w, out(g moisture/kg dry air)	0.0087	0.0087	0.0086	0.0087	0.0086	0.0086	0.0086	0.0087	0.0087	0.0087	0.0087	0.0086	0.0086	0.0087	0.0087
Absorption Rate(kg/hr)	0.0702	0.0702	0.0415	0.0598	0.1170	0.0597	0.0702	0.0416	0.0598	0.0885	0.0415	0.0390	0.0494	0.0494	0.0312

ตารางที่ ก 15 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 6 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	34.5	34.3	34.4	34.7	34.2	34.3	34.4	34.9	34.4	35	34.8	34.8	34.7	34.4	34.1
%RH, in(%)	52.0512	51.0487	51.2469	51.0445	51.2490	51.2479	51.2469	50.6465	50.8492	50.0579	50.6475	50.0599	50.2559	50.2589	50.4578
T, out(°C)	39	38.5	38	38.2	37.7	37.2	37	37.3	37	36.9	37.1	36.9	36.6	36.6	36.2
%RH, out(%)	52.1952	51.3976	52.0071	51.6016	51.8093	51.8159	52.4272	51.2136	52.4272	51.6185	51.0174	50.8218	51.4218	52.0257	52.2339
w, in(g moisture/kg dry air)	0.0102	0.0106	0.0105	0.0105	0.0105	0.0105	0.0105	0.0106	0.0106	0.0108	0.0106	0.0108	0.0108	0.0109	0.0109
w, out(g moisture/kg dry air)	0.0089	0.0093	0.0092	0.0093	0.0094	0.0095	0.0094	0.0097	0.0094	0.0097	0.0099	0.0100	0.0098	0.0096	0.0096
Absorption Rate(kg/hr)	0.3002	0.3005	0.2990	0.2746	0.2749	0.2374	0.2727	0.2061	0.3094	0.2666	0.1816	0.2063	0.2301	0.3037	0.2974

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	34	33.9	34.2	34.3	34.5	33.9	34.2	34	33.8	34.9	34.2	34.6	34.4	34.4	34.4
%RH, in(%)	51.0518	51.0528	50.2608	51.0487	50.8482	50.8543	50.6536	51.0518	50.8553	50.4498	50.8512	49.8676	50.8492	50.4548	50.0638
T, out(°C)	36	35.9	35.9	35.7	35.6	35.6	35.6	35.3	35.3	35.9	35.5	35.7	35.3	35.4	35.4
%RH, out(%)	52.0333	52.2377	51.8322	52.6492	51.4336	52.4455	52.4455	52.0418	52.4493	51.6307	52.6518	51.6331	51.6378	51.4359	51.4359
w, in(g moisture/kg dry air)	0.0107	0.0107	0.0109	0.0106	0.0106	0.0108	0.0108	0.0107	0.0108	0.0106	0.0107	0.0110	0.0106	0.0108	0.0109
w, out(g moisture/kg dry air)	0.0098	0.0097	0.0099	0.0096	0.0101	0.0097	0.0097	0.0099	0.0098	0.0099	0.0097	0.0100	0.0101	0.0101	0.0101
Absorption Rate(kg/hr)	0.2177	0.2360	0.2545	0.2340	0.1246	0.2536	0.2530	0.1737	0.2412	0.1732	0.2463	0.2355	0.1303	0.1553	0.1925

ตารางที่ ก 15 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 6 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	34.8	34.5	34.2	34.3	34.5	34.1	34.5	34	34.4	34.3	33.8	34.1	34.7	34.7	34.5
%RH, in(%)	49.8657	50.6506	50.0657	50.0647	50.0628	50.6546	50.0628	50.2628	51.0476	49.6769	50.6576	50.6546	50.2559	50.0609	50.4538
T, out(°C)	35.3	35.2	35.2	35.3	35.1	34.8	35.2	35	34.9	35.4	34.9	35	35.1	35.4	35
%RH, out(%)	51.8394	51.8406	52.0430	51.2371	51.8417	52.0478	52.2464	52.4530	52.2500	51.2360	51.8440	52.0454	51.8417	51.8382	51.8429
w, in(g moisture/kg dry air)	0.0109	0.0107	0.0110	0.0110	0.0109	0.0108	0.0109	0.0110	0.0106	0.0111	0.0109	0.0108	0.0108	0.0109	0.0108
w, out(g moisture/kg dry air)	0.0100	0.0100	0.0100	0.0102	0.0101	0.0101	0.0099	0.0099	0.0100	0.0102	0.0101	0.0100	0.0101	0.0100	0.0101
Absorption Rate(kg/hr)	0.2159	0.1544	0.2474	0.1743	0.2038	0.1728	0.2464	0.2652	0.1413	0.2179	0.1800	0.1854	0.1724	0.2099	0.1603

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	34.4	34.2	34.6	34	34	34	34.2	34.4	34.1	34	34.4	34.6	34.1	34	34.2
%RH, in(%)	50.0638	49.8714	50.4528	50.2628	50.8533	50.6556	49.8714	50.2589	50.4578	50.8533	49.8695	50.4528	50.8523	50.8533	51.0497
T, out(°C)	35	34.8	35.1	34.5	34.6	34.6	34.8	34.8	34.8	34.5	34.9	34.9	34.5	34.5	34.5
%RH, out(%)	51.6412	51.4426	52.0442	51.6468	52.2535	52.4579	52.2512	52.2512	52.2512	51.6468	51.6423	51.2415	52.0512	52.6643	52.0512
w, in(g moisture/kg dry air)	0.0109	0.0111	0.0107	0.0110	0.0107	0.0108	0.0111	0.0109	0.0109	0.0107	0.0110	0.0107	0.0107	0.0107	0.0106
w, out(g moisture/kg dry air)	0.0102	0.0103	0.0100	0.0103	0.0101	0.0100	0.0100	0.0100	0.0100	0.0103	0.0102	0.0103	0.0102	0.0099	0.0102
Absorption Rate(kg/hr)	0.1856	0.1861	0.1784	0.1609	0.1663	0.2029	0.2591	0.2090	0.2095	0.1053	0.1980	0.0928	0.1354	0.1962	0.1106



ตารางที่ ก 16 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 6 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	38	38.3	38.5	38.3	38.6	38.8	37.9	38.7	38.4	38.6	38.6	38.2	37.9	37.9	38.1
%RH, in(%)	52.2097	52.0029	51.7984	51.8012	51.5962	51.3935	51.4055	51.1957	51.5989	51.3962	51.3962	51.2023	51.4055	51.4055	51.2036
T, out(°C)	40.7	41.2	41.6	41.2	41.4	41.3	40.5	41	40.6	40.6	40.5	40.3	39.8	39.7	39.9
%RH, out(%)	52.1686	51.7578	51.5514	51.7578	51.5546	51.3570	51.3693	51.1632	51.5672	51.5672	51.5687	51.5717	51.3795	51.5806	51.5777
w, in(g moisture/kg dry air)	0.0092	0.0092	0.0092	0.0092	0.0092	0.0093	0.0095	0.0094	0.0093	0.0093	0.0093	0.0095	0.0095	0.0095	0.0095
w, out(g moisture/kg dry air)	0.0085	0.0085	0.0085	0.0085	0.0085	0.0086	0.0088	0.0088	0.0087	0.0087	0.0088	0.0088	0.0090	0.0090	0.0089
Absorption Rate(kg/hr)	0.1116	0.1079	0.1160	0.1198	0.1155	0.1032	0.1077	0.0950	0.0910	0.0946	0.0905	0.1109	0.0788	0.0866	0.0986

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	37.4	37.4	38.3	38.3	38.5	38.3	38.2	38.2	38.5	38.6	38.4	38.6	38.7	38.2	38.3
%RH, in(%)	51.2124	51.4119	51.2010	51.2010	51.1984	51.2010	51.4015	51.2023	51.5976	51.3962	51.3989	51.3962	51.5948	51.4015	51.6003
T, out(°C)	39.1	39	39.7	39.6	39.7	39.6	39.5	39.5	39.6	39.5	39.4	39.4	39.5	39.2	39.2
%RH, out(%)	51.3894	51.5907	51.3810	51.3824	51.1821	51.5821	51.5835	51.7841	51.7826	51.9855	51.9870	51.7856	51.7841	51.7885	51.7885
w, in(g moisture/kg dry air)	0.0097	0.0096	0.0095	0.0095	0.0094	0.0095	0.0094	0.0095	0.0093	0.0093	0.0094	0.0093	0.0092	0.0094	0.0093
w, out(g moisture/kg dry air)	0.0092	0.0091	0.0090	0.0091	0.0091	0.0090	0.0090	0.0089	0.0089	0.0089	0.0089	0.0090	0.0089	0.0090	0.0090
Absorption Rate(kg/hr)	0.0827	0.0785	0.0700	0.0659	0.0497	0.0779	0.0659	0.0899	0.0575	0.0731	0.0773	0.0571	0.0451	0.0654	0.0493

ตารางที่ ก 16 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 6 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	38.3	38.3	38.6	38.6	38	37.9	37.9	38	37.9	38.1	38.1	38.2	38.4	38.5	38
%RH, in(%)	51.6003	51.6003	51.3962	51.3962	51.6043	51.6056	51.6056	51.4042	51.6056	51.4029	51.8039	51.6016	51.5989	51.5976	51.6043
T, out(°C)	39.2	39.1	39.3	39.3	38.8	38.7	38.6	38.6	38.5	38.6	38.6	38.7	38.8	38.9	38.6
%RH, out(%)	51.7885	51.7899	51.5864	51.5864	51.7942	51.7956	51.9986	51.5962	52.0001	51.9986	52.2011	51.9972	51.7942	51.7928	51.9986
w, in(g moisture/kg dry air)	0.0093	0.0093	0.0093	0.0093	0.0094	0.0094	0.0094	0.0095	0.0094	0.0094	0.0093	0.0093	0.0093	0.0093	0.0094
w, out(g moisture/kg dry air)	0.0090	0.0090	0.0091	0.0091	0.0091	0.0091	0.0091	0.0092	0.0091	0.0091	0.0090	0.0091	0.0091	0.0091	0.0091
Absorption Rate(kg/hr)	0.0493	0.0452	0.0410	0.0410	0.0452	0.0452	0.0530	0.0370	0.0489	0.0567	0.0446	0.0447	0.0286	0.0286	0.0489

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	37.9	38	38	38.2	38.2	38.2	38.6	38.5	38.3	38.3	38.1	37.9	38	37.9	37.9
%RH, in(%)	51.8066	51.4042	51.6043	51.8026	51.6016	51.8026	51.5962	51.5976	52.0029	51.8012	52.2083	52.0085	52.0071	51.8066	51.8066
T, out(°C)	38.4	38.5	38.4	38.5	38.6	38.6	38.7	38.8	38.5	38.6	38.4	38.3	38.3	38.2	38.1
%RH, out(%)	52.2040	52.0001	52.0015	52.2026	51.7970	52.2011	51.5948	51.9958	52.6101	52.2011	52.6116	52.2054	52.0029	52.0043	52.0057
w, in(g moisture/kg dry air)	0.0093	0.0095	0.0094	0.0093	0.0093	0.0093	0.0092	0.0093	0.0092	0.0092	0.0091	0.0093	0.0092	0.0093	0.0093
w, out(g moisture/kg dry air)	0.0091	0.0091	0.0091	0.0090	0.0092	0.0090	0.0092	0.0090	0.0089	0.0090	0.0089	0.0091	0.0092	0.0092	0.0092
Absorption Rate(kg/hr)	0.0447	0.0567	0.0406	0.0363	0.0286	0.0405	0.0041	0.0364	0.0440	0.0363	0.0362	0.0286	0.0125	0.0244	0.0203

ตารางที่ ก 17 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 6 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	38.4	38.4	38.9	38.9	39	39.2	39.3	39.5	39.7	39	38.6	38.7	38.7	38.6	38.7
%RH, in(%)	50.6069	50.6069	50.6007	50.7973	50.5994	50.2062	50.2049	50.2024	50.0059	50.2086	50.4086	50.4073	50.2123	50.2135	50.4073
T, out(°C)	42.3	42.3	42.2	41.9	41.6	41.6	41.4	41.2	41.2	40.7	40.1	40	39.8	39.8	39.7
%RH, out(%)	50.7491	50.3586	50.1659	50.3645	50.1745	49.9810	49.7909	49.9864	49.7936	49.9931	50.1948	50.1961	50.1986	50.3934	50.3947
w, in(g moisture/kg dry air)	0.0097	0.0097	0.0095	0.0095	0.0095	0.0096	0.0096	0.0095	0.0096	0.0097	0.0097	0.0097	0.0097	0.0098	0.0097
w, out(g moisture/kg dry air)	0.0086	0.0087	0.0088	0.0088	0.0090	0.0091	0.0092	0.0092	0.0092	0.0093	0.0094	0.0094	0.0095	0.0094	0.0094
Absorption Rate(kg/hr)	0.4323	0.3721	0.2798	0.2491	0.2079	0.2173	0.1560	0.1451	0.1244	0.1454	0.1250	0.1043	0.1140	0.1548	0.1037

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	38.5	38.5	38.5	38.8	38.4	38.7	38.6	38.8	38.7	38.4	38.3	38.3	38.4	38.5	38.3
%RH, in(%)	50.2147	50.4098	50.2147	50.4061	50.4110	50.4073	50.4086	50.0168	50.2123	50.4110	50.4122	50.4122	50.4110	50.2147	50.4122
T, out(°C)	39.7	39.5	39.4	39.6	39.3	39.4	39.2	39.5	39.2	38.9	38.9	38.8	38.9	38.9	38.8
%RH, out(%)	50.1999	50.3973	50.2037	50.3960	50.3999	50.3986	50.4011	50.2024	50.4011	50.4049	50.4049	50.4061	50.4049	50.2098	50.4061
w, in(g moisture/kg dry air)	0.0098	0.0097	0.0098	0.0096	0.0097	0.0097	0.0097	0.0098	0.0097	0.0097	0.0098	0.0098	0.0097	0.0098	0.0098
w, out(g moisture/kg dry air)	0.0095	0.0095	0.0096	0.0094	0.0095	0.0095	0.0095	0.0095	0.0095	0.0096	0.0096	0.0096	0.0096	0.0097	0.0096
Absorption Rate(kg/hr)	0.1245	0.1037	0.0934	0.0829	0.0934	0.0726	0.0623	0.1031	0.0823	0.0519	0.0623	0.0520	0.0519	0.0416	0.0520

ตารางที่ ก 17 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 6 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	38.3	38.3	38.4	38.6	38.7	38.6	38.7	38.6	38.7	38.6	38.7	38.5	38.6	38.6	38.6
%RH, in(%)	50.2170	50.2170	50.2159	50.0192	50.0180	50.2135	50.0180	50.2135	50.2123	50.0192	50.0180	49.8268	49.8257	50.0192	49.8257
T, out(°C)	38.7	38.6	38.7	39	38.8	38.7	38.9	38.8	38.8	38.8	38.8	38.7	38.7	38.6	38.7
%RH, out(%)	50.4073	50.2135	50.4073	50.0144	50.0168	50.4073	50.2098	50.2111	50.2111	50.2111	50.2111	50.0180	50.0180	50.2135	50.0180
w, in(g moisture/kg dry air)	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0097	0.0098	0.0098	0.0099	0.0099	0.0098	0.0099
w, out(g moisture/kg dry air)	0.0097	0.0098	0.0097	0.0097	0.0098	0.0097	0.0097	0.0097	0.0097	0.0097	0.0097	0.0098	0.0098	0.0098	0.0098
Absorption Rate(kg/hr)	0.0721	0.0312	0.0616	0.0416	0.0104	0.0408	0.0513	0.0208	0.0104	0.0513	0.0409	0.0514	0.0410	0.0305	0.0410

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	38.6	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.6	38.6	38.6	38.9	39.2	39.2	38.8
%RH, in(%)	50.0192	49.8245	49.8245	49.8245	49.8234	50.0168	50.0168	49.8234	50.2135	50.0192	50.0192	50.2098	50.0120	50.0120	50.0168
T, out(°C)	38.5	38.7	38.7	38.7	38.7	38.6	38.6	38.7	38.5	38.5	38.5	38.6	38.9	38.8	38.6
%RH, out(%)	50.2147	50.0180	50.2123	50.0180	49.8245	50.2135	50.0192	50.0180	50.2147	50.2147	50.2147	50.2135	50.0156	50.2111	50.2135
w, in(g moisture/kg dry air)	0.0098	0.0099	0.0099	0.0099	0.0099	0.0098	0.0098	0.0099	0.0098	0.0098	0.0098	0.0097	0.0097	0.0097	0.0098
w, out(g moisture/kg dry air)	0.0098	0.0098	0.0097	0.0098	0.0099	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0098	0.0097	0.0098
Absorption Rate(kg/hr)	0.0201	0.0306	0.0611	0.0306	0.0104	0.0097	0.0208	0.0202	0.0104	0.0201	0.0201	0.0312	0.0311	0.0110	0.0097

ตารางที่ ก 18 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 6 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	38.5	38.8	38.2	38.5	38.7	38.5	38.6	38.7	38.8	39	38.6	38.6	38.3	38.8	38.7
%RH, in(%)	48.8713	48.8681	49.0640	48.6825	48.6805	48.6825	48.6815	48.8692	48.6794	48.4895	48.8702	48.8702	48.8733	48.6794	48.6805
T, out(°C)	42.9	43.1	42.3	42	41.9	41.6	41.3	41.2	41.1	41.1	40.7	40.5	40.3	40.5	40.3
%RH, out(%)	49.3876	48.6294	49.0162	48.8313	48.8325	48.8362	49.0288	49.0300	49.2210	48.8422	49.0360	49.0384	49.4214	49.0384	49.0407
w, in(g moisture/kg dry air)	0.0103	0.0103	0.0103	0.0104	0.0104	0.0104	0.0104	0.0103	0.0103	0.0104	0.0103	0.0103	0.0104	0.0103	0.0104
w, out(g moisture/kg dry air)	0.0090	0.0092	0.0093	0.0094	0.0094	0.0095	0.0095	0.0096	0.0095	0.0097	0.0097	0.0097	0.0096	0.0097	0.0098
Absorption Rate(kg/hr)	0.4095	0.3095	0.3179	0.2946	0.2713	0.2638	0.2560	0.2172	0.2480	0.2095	0.1864	0.1709	0.2251	0.1785	0.1709

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	38.2	38.2	38.2	38.1	38.3	38.3	38.1	38.1	38.2	38.4	38.5	38.5	38.5	38.8	38.7
%RH, in(%)	48.6856	48.8744	48.8744	48.8754	48.8733	48.8733	48.6866	48.6866	48.8744	48.4956	48.6825	48.6825	48.3074	48.3044	48.3054
T, out(°C)	39.9	39.8	39.8	39.6	39.6	39.6	39.3	39.3	39.2	39.4	39.4	39.4	39.4	39.6	39.5
%RH, out(%)	49.2354	49.2365	49.2365	49.2388	49.2388	49.0488	49.0521	49.0521	49.0532	48.8616	49.0510	49.0510	48.8616	48.8594	49.0499
w, in(g moisture/kg dry air)	0.0105	0.0104	0.0104	0.0104	0.0104	0.0104	0.0105	0.0105	0.0104	0.0105	0.0104	0.0104	0.0106	0.0105	0.0105
w, out(g moisture/kg dry air)	0.0098	0.0098	0.0098	0.0099	0.0099	0.0100	0.0100	0.0100	0.0101	0.0101	0.0100	0.0100	0.0101	0.0100	0.0100
Absorption Rate(kg/hr)	0.2021	0.1711	0.1711	0.1634	0.1477	0.1246	0.1402	0.1402	0.1013	0.1246	0.1167	0.1167	0.1402	0.1323	0.1555

ตารางที่ ก 18 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 6 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	38.7	38.9	38.6	38.3	38	37.9	37.6	37.8	37.8	37.9	37.7	37.7	37.7	37.6	37.4
%RH, in(%)	48.3054	48.3034	48.4935	48.4966	48.6876	48.6886	49.0702	48.8785	49.0681	49.0671	49.0691	49.0691	49.0691	49.0702	49.2627
T, out(°C)	39.5	39.5	39.3	39	38.8	38.6	38.4	38.5	38.4	38.4	38.2	38.3	38.2	38.2	38
%RH, out(%)	48.8605	48.8605	49.0521	49.0554	49.0576	49.2500	49.4433	49.2511	49.4433	49.6353	49.6375	49.4444	49.6375	49.6375	49.8325
w, in(g moisture/kg dry air)	0.0105	0.0105	0.0105	0.0105	0.0105	0.0106	0.0105	0.0105	0.0104	0.0104	0.0105	0.0105	0.0105	0.0105	0.0105
w, out(g moisture/kg dry air)	0.0101	0.0101	0.0100	0.0101	0.0102	0.0101	0.0101	0.0102	0.0101	0.0100	0.0101	0.0102	0.0101	0.0101	0.0101
Absorption Rate(kg/hr)	0.1323	0.1167	0.1244	0.1246	0.1091	0.1246	0.1090	0.1013	0.0933	0.1086	0.1087	0.0934	0.1087	0.1166	0.1165

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	37.4	37.4	37.6	37.6	37.7	37.7	37.8	38.2	38.2	38.2	38.2	38.1	38.3	38.2	38.2
%RH, in(%)	49.4541	49.4541	49.2607	49.2607	49.2596	49.4509	49.0681	49.0640	49.0640	49.0640	49.0640	49.2554	49.0629	49.2543	49.2543
T, out(°C)	37.9	37.9	38.1	38	38.1	38	38.2	38.4	38.4	38.4	38.3	38.3	38.4	38.3	38.3
%RH, out(%)	49.8336	49.8336	49.8314	49.8325	49.4466	49.8325	49.8303	49.6353	49.6353	49.4433	49.4444	49.4444	49.4433	49.8291	49.6364
w, in(g moisture/kg dry air)	0.0104	0.0104	0.0104	0.0104	0.0104	0.0103	0.0104	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
w, out(g moisture/kg dry air)	0.0101	0.0101	0.0100	0.0101	0.0102	0.0101	0.0100	0.0100	0.0100	0.0101	0.0102	0.0102	0.0101	0.0100	0.0101
Absorption Rate(kg/hr)	0.0854	0.0854	0.1086	0.1008	0.0545	0.0697	0.1239	0.0851	0.0851	0.0620	0.0542	0.0388	0.0542	0.0771	0.0541

ตารางที่ ก 19 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 8 แก้ว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	28.6	28.4	28.2	28.1	28.2	28.2	28.2	28.3	28.4	28.3	28.2	28.2	28.1	28.5	28.2
%RH, in(%)	54.4091	54.1977	54.6278	54.6288	54.6278	54.6278	54.6278	54.8421	55.0573	55.0584	55.0594	55.2767	55.0605	55.0562	55.0594
T, out(°C)	35.5	35.4	35.1	34.9	34.8	34.5	34.3	34.1	34	33.7	33.5	33.3	33.2	33.2	33
%RH, out(%)	54.3226	53.6909	53.6951	53.9081	53.4897	53.4937	53.7059	53.9190	53.9204	54.1358	54.1385	54.3536	54.1424	54.1424	54.1450
w, in(g moisture/kg dry air)	0.0109	0.0110	0.0109	0.0109	0.0109	0.0109	0.0109	0.0108	0.0107	0.0107	0.0108	0.0107	0.0108	0.0107	0.0108
w, out(g moisture/kg dry air)	0.0091	0.0093	0.0094	0.0094	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0097	0.0097	0.0098	0.0098	0.0098
Absorption Rate(kg/hr)	0.3632	0.3392	0.3046	0.3144	0.2741	0.2584	0.2629	0.2472	0.2218	0.2263	0.2212	0.2107	0.2108	0.1894	0.1949

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	28.2	28	28.1	28.2	28.2	28.1	28.1	28.1	28.3	28.2	28.5	28.1	28.1	28.2	28.2
%RH, in(%)	54.8431	55.2789	55.0605	55.0594	55.2767	55.0605	55.2778	55.2778	55.0584	55.2767	55.0562	55.0605	55.0605	55.0594	55.0594
T, out(°C)	32.8	32.7	32.7	32.6	32.4	32.4	32.3	32.2	32.2	32.2	32.2	32	32	32	32
%RH, out(%)	54.1475	54.3614	54.1488	54.3627	54.5788	54.3652	54.3665	54.3678	54.3678	54.5814	54.1550	54.5839	54.3703	54.3703	54.3703
w, in(g moisture/kg dry air)	0.0108	0.0107	0.0108	0.0108	0.0107	0.0108	0.0107	0.0107	0.0107	0.0107	0.0107	0.0108	0.0108	0.0108	0.0108
w, out(g moisture/kg dry air)	0.0099	0.0098	0.0099	0.0098	0.0098	0.0099	0.0099	0.0099	0.0099	0.0099	0.0100	0.0099	0.0100	0.0100	0.0100
Absorption Rate(kg/hr)	0.1992	0.1899	0.1845	0.1887	0.1783	0.1835	0.1635	0.1583	0.1623	0.1677	0.1368	0.1773	0.1625	0.1571	0.1571

ตารางที่ ก 19 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 8 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	28.1	28.3	28.3	28.2	28.1	28.2	28.1	28.2	28.2	28.3	28.3	28.3	28.2	28.3	28.2
%RH, in(%)	55.0605	55.2756	55.0584	55.0594	55.0605	55.0594	55.0605	55.2767	55.2767	55.4937	55.4937	55.4937	55.7139	55.7128	55.4948
T, out(°C)	31.8	31.8	31.8	31.8	31.7	31.7	31.6	31.5	31.5	31.4	31.4	31.4	31.3	31.3	31.3
%RH, out(%)	54.5865	54.3727	54.3727	54.3727	54.5877	54.1611	54.5889	54.5902	54.3764	54.8061	54.8061	54.8061	54.8074	54.8074	54.8074
w, in(g moisture/kg dry air)	0.0108	0.0107	0.0107	0.0108	0.0108	0.0108	0.0108	0.0107	0.0107	0.0106	0.0106	0.0106	0.0105	0.0105	0.0106
w, out(g moisture/kg dry air)	0.0100	0.0100	0.0100	0.0100	0.0100	0.0101	0.0100	0.0100	0.0101	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100
Absorption Rate(kg/hr)	0.1668	0.1265	0.1413	0.1466	0.1615	0.1264	0.1562	0.1308	0.1160	0.1203	0.1203	0.1203	0.1056	0.1003	0.1203

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	28.3	28.1	28.2	28.2	28.2	28.2	28.1	28.3	28.3	28.5	28.5	28.4	28.4	28.3	28.5
%RH, in(%)	55.2756	55.9351	55.4948	55.7139	55.4948	55.4948	55.7151	55.7128	55.2756	55.4914	55.7104	55.7116	55.4926	55.7128	55.4914
T, out(°C)	31.3	31.1	31.2	31.1	31.1	31.1	30.9	31	31	31.1	31	31	31	30.9	31
%RH, out(%)	54.5926	55.2422	55.0243	55.2422	55.0256	54.8099	55.2447	55.0268	54.8111	54.8099	55.0268	54.8111	55.0268	55.0281	55.0268
w, in(g moisture/kg dry air)	0.0107	0.0105	0.0106	0.0105	0.0106	0.0106	0.0106	0.0105	0.0107	0.0105	0.0105	0.0105	0.0106	0.0105	0.0105
w, out(g moisture/kg dry air)	0.0101	0.0099	0.0100	0.0099	0.0100	0.0101	0.0100	0.0100	0.0101	0.0101	0.0100	0.0101	0.0100	0.0101	0.0100
Absorption Rate(kg/hr)	0.1149	0.1152	0.1298	0.1246	0.1245	0.1098	0.1193	0.0992	0.1139	0.0938	0.0885	0.0791	0.1086	0.0939	0.1032



ตารางที่ ก 20 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 8 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	28.3	28.3	28.3	28.2	28.1	28.2	28	28.2	28.3	28.1	28.2	28.1	28.3	28.1	28.3
%RH, in(%)	57.2727	57.2727	57.2727	57.0483	57.2753	56.5997	57.2766	56.5997	56.5985	56.6009	56.5997	56.6009	56.5985	56.6009	56.5985
T, out(°C)	35.2	35	34.5	34.2	33.8	33.6	33.2	33.2	33.1	32.8	32.7	32.4	32.3	32.3	32.2
%RH, out(%)	56.0549	56.0583	55.8473	55.6336	56.0780	55.8616	55.8677	55.6488	55.8692	55.8736	55.6561	55.8795	55.8809	55.8809	55.8823
w, in(g moisture/kg dry air)	0.0100	0.0100	0.0100	0.0101	0.0101	0.0103	0.0101	0.0103	0.0102	0.0103	0.0103	0.0103	0.0102	0.0103	0.0102
w, out(g moisture/kg dry air)	0.0086	0.0086	0.0088	0.0090	0.0090	0.0091	0.0092	0.0092	0.0092	0.0093	0.0094	0.0094	0.0094	0.0094	0.0094
Absorption Rate(kg/hr)	0.5713	0.5509	0.4713	0.4507	0.4489	0.4744	0.3691	0.4047	0.4126	0.4026	0.3532	0.3614	0.3301	0.3510	0.3198

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	28.1	28.2	28.1	28.1	28.1	28.2	28.1	28.1	28.1	28.1	28.1	28	28.1	28.2	28.2
%RH, in(%)	56.8248	56.5997	56.6009	56.6009	56.6009	56.8235	56.8248	56.3780	56.3780	56.6009	56.6009	56.8260	56.6009	56.5997	56.3768
T, out(°C)	32	31.9	31.8	31.7	31.7	31.6	31.5	31.4	31.3	31.3	31.2	31	31	31	31
%RH, out(%)	55.8852	55.8866	55.8880	55.8894	55.8894	55.8908	55.8921	55.6742	55.8949	55.8949	56.1165	56.1193	55.8989	55.8989	55.8989
w, in(g moisture/kg dry air)	0.0102	0.0103	0.0103	0.0103	0.0103	0.0102	0.0102	0.0104	0.0104	0.0103	0.0103	0.0102	0.0103	0.0103	0.0103
w, out(g moisture/kg dry air)	0.0095	0.0095	0.0095	0.0096	0.0096	0.0096	0.0096	0.0097	0.0097	0.0097	0.0096	0.0097	0.0097	0.0097	0.0097
Absorption Rate(kg/hr)	0.2915	0.2992	0.2993	0.2890	0.2890	0.2396	0.2397	0.2578	0.2762	0.2476	0.2659	0.2270	0.2164	0.2060	0.2346

ตารางที่ ก 20 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 8 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	28.1	27.9	28.3	28.3	28.3	28.4	28.5	28.4	28.4	28.5	28.3	28.3	28.4	28.4	28.4
%RH, in(%)	56.8248	57.0521	56.8223	56.8223	56.5985	56.3744	56.5960	56.8210	56.8210	56.5960	56.5985	56.8223	57.0457	56.8210	56.8210
T, out(°C)	30.9	30.7	30.8	30.8	30.9	30.9	30.9	30.8	30.8	30.8	30.6	30.6	30.5	30.5	30.5
%RH, out(%)	55.9003	56.5670	56.3433	56.3433	56.1206	55.9003	56.1206	56.1220	56.3433	55.9016	56.1247	56.3461	56.1260	56.1260	56.3474
w, in(g moisture/kg dry air)	0.0102	0.0102	0.0102	0.0102	0.0102	0.0103	0.0102	0.0101	0.0101	0.0102	0.0102	0.0102	0.0101	0.0101	0.0101
w, out(g moisture/kg dry air)	0.0098	0.0096	0.0097	0.0097	0.0097	0.0098	0.0097	0.0097	0.0097	0.0098	0.0098	0.0097	0.0098	0.0098	0.0097
Absorption Rate(kg/hr)	0.1775	0.2351	0.2035	0.2035	0.2138	0.2033	0.1929	0.1644	0.1930	0.1538	0.1826	0.1827	0.1047	0.1332	0.1619

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	28.4	28.4	28.4	28.3	28.2	28.4	28.3	28.5	28.5	28.3	28.2	28.3	28.3	28.3	28.2
%RH, in(%)	56.8210	57.0457	57.0457	56.5985	56.8235	57.2714	57.4994	56.8197	56.5960	57.0470	57.2740	57.0470	57.2727	57.0470	57.0483
T, out(°C)	30.5	30.4	30.4	30.3	30.3	30.3	30.2	30.3	30.4	30.2	30.1	30.2	30	30	30
%RH, out(%)	56.3474	56.3488	56.3488	56.3501	56.3501	56.5725	56.7972	56.5725	56.1273	56.5739	56.7986	56.5739	56.8000	56.8000	56.5766
w, in(g moisture/kg dry air)	0.0101	0.0101	0.0101	0.0102	0.0102	0.0100	0.0099	0.0101	0.0102	0.0101	0.0100	0.0101	0.0100	0.0101	0.0101
w, out(g moisture/kg dry air)	0.0097	0.0098	0.0098	0.0098	0.0098	0.0097	0.0097	0.0097	0.0098	0.0097	0.0097	0.0097	0.0097	0.0097	0.0098
Absorption Rate(kg/hr)	0.1619	0.1230	0.1230	0.1801	0.1620	0.1127	0.1129	0.1592	0.1409	0.1412	0.1414	0.1412	0.1205	0.1490	0.1309

ตารางที่ ก 21 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 8 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	28.6	28.6	28.1	28.1	28.5	28.5	28.4	28.4	28.2	28.4	28.4	28.4	28.2	28.2	28.5
%RH, in(%)	56.5947	56.8185	56.6009	56.8248	56.5960	57.0445	56.8210	56.5972	56.5997	56.8210	56.8210	56.8210	56.8235	56.5997	56.5960
T, out(°C)	36.4	36	35.1	34.7	34.5	34.1	33.8	33.6	33.2	33	32.9	32.7	32.5	32.4	32.4
%RH, out(%)	55.5970	55.3870	55.4018	55.4082	55.4114	55.8537	55.8585	55.6428	55.8677	55.8707	55.8721	56.0950	56.0980	55.8795	55.8795
w, in(g moisture/kg dry air)	0.0102	0.0101	0.0103	0.0102	0.0102	0.0100	0.0101	0.0102	0.0103	0.0101	0.0101	0.0101	0.0102	0.0103	0.0102
w, out(g moisture/kg dry air)	0.0084	0.0086	0.0088	0.0089	0.0090	0.0089	0.0090	0.0091	0.0092	0.0092	0.0093	0.0092	0.0093	0.0094	0.0094
Absorption Rate(kg/hr)	0.8675	0.7450	0.7309	0.6438	0.6012	0.5501	0.5602	0.5342	0.5447	0.4568	0.4438	0.4538	0.4542	0.4411	0.4016

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	28.4	28.3	28.2	28.4	28.5	28.3	28.4	28.6	28.4	28.4	28.6	28.7	28.5	28.5	28.4
%RH, in(%)	56.5972	56.5985	56.5997	56.5972	56.5960	56.8223	56.8210	56.8185	56.5972	56.3744	56.3720	56.5935	56.3732	56.5960	56.8210
T, out(°C)	32.3	32.1	32	31.9	31.8	31.6	31.7	31.7	31.6	31.5	31.5	31.5	31.5	31.3	31.2
%RH, out(%)	55.6618	55.8838	55.8852	55.8866	55.8880	56.1109	56.1095	55.8894	56.1109	55.8921	55.8921	55.8921	55.8921	55.8949	56.1165
w, in(g moisture/kg dry air)	0.0102	0.0102	0.0103	0.0102	0.0102	0.0102	0.0101	0.0101	0.0102	0.0103	0.0102	0.0101	0.0103	0.0102	0.0101
w, out(g moisture/kg dry air)	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0096	0.0095	0.0096	0.0096	0.0096	0.0096	0.0097	0.0096
Absorption Rate(kg/hr)	0.3658	0.3890	0.3891	0.3498	0.3237	0.3241	0.3240	0.2617	0.3468	0.3337	0.3074	0.2583	0.3205	0.2586	0.2589

ตารางที่ ก 21 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 8 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	28.5	28.4	28.3	28.3	28.3	27.8	27.7	27.8	28.2	27.9	28	27.8	27.9	28.2	28.1
%RH, in(%)	56.5960	56.5972	56.8223	56.8223	56.5985	56.8285	56.8297	56.8285	56.5997	56.8272	56.8260	56.8285	56.8272	56.8235	56.3780
T, out(°C)	31.2	31.1	31	30.9	30.9	30.6	30.5	30.5	30.7	30.4	30.4	30.2	30.3	30.5	30.4
%RH, out(%)	56.1165	56.1179	56.3405	56.3419	56.3419	56.3461	56.5698	56.3474	56.1233	56.1273	56.1273	56.5739	56.1287	56.1260	55.9069
w, in(g moisture/kg dry air)	0.0102	0.0102	0.0102	0.0102	0.0102	0.0103	0.0103	0.0103	0.0103	0.0103	0.0102	0.0103	0.0103	0.0102	0.0104
w, out(g moisture/kg dry air)	0.0096	0.0096	0.0096	0.0096	0.0096	0.0097	0.0097	0.0097	0.0098	0.0098	0.0098	0.0097	0.0099	0.0098	0.0099
Absorption Rate(kg/hr)	0.2816	0.2817	0.2819	0.2689	0.3047	0.2956	0.3317	0.2825	0.2558	0.2202	0.2070	0.2793	0.2071	0.1938	0.2297

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	28.2	27.9	27.8	28	28	27.9	27.9	28.1	28.2	28	27.8	27.9	27.7	27.8	27.8
%RH, in(%)	56.3768	56.3804	56.6046	56.6021	56.3792	56.6034	56.6034	56.6009	56.5997	56.6021	56.6046	56.1584	56.1608	56.3816	56.3816
T, out(°C)	30.5	30.2	30.1	30.2	30.2	30.1	30.1	30.1	30.2	30.1	30	30	29.8	29.9	29.9
%RH, out(%)	56.1260	55.9094	55.9107	56.1300	55.9094	56.3528	56.1313	56.1313	56.1300	56.3528	56.1326	55.6924	55.9145	56.1339	55.9133
w, in(g moisture/kg dry air)	0.0103	0.0104	0.0104	0.0103	0.0104	0.0103	0.0103	0.0103	0.0103	0.0103	0.0104	0.0105	0.0105	0.0104	0.0104
w, out(g moisture/kg dry air)	0.0098	0.0100	0.0100	0.0099	0.0100	0.0098	0.0099	0.0099	0.0099	0.0098	0.0099	0.0101	0.0101	0.0100	0.0100
Absorption Rate(kg/hr)	0.2657	0.2299	0.1939	0.2168	0.2167	0.2530	0.2169	0.1905	0.1905	0.2398	0.2170	0.2036	0.2400	0.2400	0.2038

ตารางที่ ก 22 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 8 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	34.5	34.6	34.6	34.6	34.8	34.8	34.6	34.7	34.6	34.2	34.6	34.6	34.6	34.7	34.8
%RH, in(%)	47.0507	46.8684	46.8684	46.8684	46.6862	46.8670	46.8684	46.8677	46.6876	46.3310	46.6876	46.5076	46.5076	46.5069	46.6862
T, out(°C)	37.8	38.4	38.3	38.2	38.2	37.9	37.6	37.4	37.2	36.9	36.8	36.8	36.7	36.7	36.6
%RH, out(%)	47.2067	46.8386	46.8394	47.0214	46.6600	46.8428	46.8453	46.8469	46.4884	46.4907	46.6712	46.4915	46.4922	46.6720	46.6728
w, in(g moisture/kg dry air)	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0123	0.0126	0.0123	0.0124	0.0124	0.0123	0.0122
w, out(g moisture/kg dry air)	0.0112	0.0112	0.0112	0.0112	0.0113	0.0113	0.0114	0.0115	0.0117	0.0118	0.0117	0.0118	0.0118	0.0117	0.0118
Absorption Rate(kg/hr)	0.3725	0.3922	0.3820	0.4032	0.3510	0.3202	0.3102	0.2792	0.2374	0.3118	0.2279	0.2279	0.2176	0.2390	0.1865

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	34.8	34.8	34.3	34.3	34.2	34.2	34.1	34.1	34.1	34.1	34	34.2	34.1	34.3	34.4
%RH, in(%)	46.5062	46.6862	46.3304	46.5097	46.6904	46.3310	46.5111	46.6911	46.6911	46.6911	46.6918	46.6904	46.5111	46.5097	46.5090
T, out(°C)	36.6	36.5	36.1	36	35.8	35.9	35.7	35.6	35.6	35.4	35.4	35.4	35.4	35.4	35.5
%RH, out(%)	46.6728	46.6736	46.4968	46.4975	46.6789	46.6781	46.6796	46.6804	46.8610	46.6818	46.6818	46.6818	46.5019	46.5019	46.8618
w, in(g moisture/kg dry air)	0.0123	0.0122	0.0125	0.0124	0.0124	0.0126	0.0125	0.0124	0.0124	0.0124	0.0124	0.0124	0.0125	0.0124	0.0124
w, out(g moisture/kg dry air)	0.0118	0.0118	0.0120	0.0120	0.0120	0.0119	0.0120	0.0120	0.0119	0.0121	0.0121	0.0121	0.0122	0.0122	0.0120
Absorption Rate(kg/hr)	0.2183	0.1761	0.2188	0.1765	0.1662	0.2404	0.1982	0.1559	0.1877	0.1352	0.1456	0.1248	0.1352	0.1144	0.1780

ตารางที่ ก 22 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 8 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	34.4	34.5	34.4	34.3	34.3	34.3	34.1	34.4	34.3	34.1	34	33.8	34.6	34.3	34.6
%RH, in(%)	46.5090	46.3290	46.6890	46.6897	46.6897	46.6897	46.6911	46.8699	46.8706	46.8720	47.0543	46.8741	46.6876	47.0522	46.8684
T, out(°C)	35.5	35.7	35.5	35.5	35.5	35.4	35.3	35.5	35.4	35.3	35.1	35	35.3	35.2	35.4
%RH, out(%)	46.6811	46.4997	47.0432	46.8618	46.8618	46.8625	47.0448	47.0432	47.0440	47.0448	47.2285	46.8655	46.8633	47.2278	47.0440
w, in(g moisture/kg dry air)	0.0124	0.0125	0.0123	0.0124	0.0124	0.0124	0.0124	0.0123	0.0123	0.0123	0.0123	0.0124	0.0123	0.0122	0.0122
w, out(g moisture/kg dry air)	0.0121	0.0121	0.0119	0.0120	0.0120	0.0120	0.0119	0.0119	0.0119	0.0119	0.0119	0.0121	0.0120	0.0119	0.0119
Absorption Rate(kg/hr)	0.1462	0.1566	0.1778	0.1565	0.1565	0.1461	0.1884	0.1460	0.1460	0.1565	0.1461	0.1249	0.1045	0.1252	0.1148

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	34.5	34.8	34.1	34.1	33.8	34.6	34.5	34.5	34.2	34.6	34.6	34.3	34.4	34.3	34.1
%RH, in(%)	46.8691	46.8670	47.0536	47.0536	47.2382	46.8684	47.2331	47.2331	47.0529	47.2323	47.4154	47.4177	47.4169	47.4177	47.4192
T, out(°C)	35.3	35.5	35	35	34.7	35.2	35.2	35.1	35	35.1	35.1	35	35	34.9	34.8
%RH, out(%)	47.2270	47.2255	47.2293	47.4124	47.4147	47.0455	47.4108	47.5954	47.2293	47.4116	47.5954	47.9662	47.5962	47.7816	47.5978
w, in(g moisture/kg dry air)	0.0122	0.0122	0.0123	0.0123	0.0123	0.0122	0.0121	0.0121	0.0122	0.0120	0.0120	0.0120	0.0120	0.0120	0.0121
w, out(g moisture/kg dry air)	0.0119	0.0118	0.0119	0.0119	0.0119	0.0120	0.0118	0.0118	0.0119	0.0118	0.0118	0.0116	0.0118	0.0117	0.0118
Absorption Rate(kg/hr)	0.1465	0.1359	0.1253	0.1569	0.1254	0.0941	0.1043	0.1254	0.1149	0.0835	0.0834	0.1670	0.0938	0.1253	0.1043

ตารางที่ ก 23 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 8 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	34.2	33.1	34.3	34.4	34.3	34.3	34.3	34.7	34.4	34.7	34.6	34.3	34.5	33.7	34.1
%RH, in(%)	56.9585	56.9773	56.9568	56.7320	56.9568	56.5115	56.7337	56.7267	56.9550	56.7267	56.5064	56.2903	56.0667	56.3001	56.0732
T, out(°C)	35.4	35.9	37.1	37.3	37.3	37.1	37	37.1	36.9	37.1	36.8	36.5	36.7	36.1	36.2
%RH, out(%)	57.3847	57.1504	57.5741	57.1213	57.3450	56.9028	57.3516	57.3494	57.1299	56.9028	55.8075	56.2512	56.2473	56.9231	56.4774
w, in(g moisture/kg dry air)	0.0086	0.0088	0.0085	0.0086	0.0085	0.0087	0.0086	0.0085	0.0085	0.0085	0.0086	0.0088	0.0088	0.0089	0.0089
w, out(g moisture/kg dry air)	0.0081	0.0081	0.0076	0.0077	0.0076	0.0078	0.0077	0.0077	0.0078	0.0078	0.0082	0.0082	0.0081	0.0081	0.0082
Absorption Rate(kg/hr)	0.0877	0.1547	0.1811	0.1726	0.1775	0.1678	0.1763	0.1611	0.1390	0.1339	0.0690	0.1105	0.1242	0.1620	0.1332

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	34.3	34.3	34.1	34.3	34.6	34.4	34.7	34.7	34.9	35	35.1	34.4	33.7	33.6	34
%RH, in(%)	55.6321	55.8506	55.8537	55.6321	55.6273	55.8490	55.4082	55.6257	55.4050	55.1870	55.4018	56.0683	56.0796	56.3017	56.7389
T, out(°C)	36.2	36.1	36	36.1	36.1	36.1	36.1	36.1	36.4	36.3	36.3	35.8	35.3	35.2	35.4
%RH, out(%)	55.6005	56.0390	56.0408	56.0390	55.8202	56.0390	55.6023	55.6023	55.1641	55.1658	55.5988	56.7065	56.4940	57.1641	57.3847
w, in(g moisture/kg dry air)	0.0090	0.0089	0.0089	0.0090	0.0089	0.0089	0.0089	0.0089	0.0089	0.0089	0.0088	0.0088	0.0090	0.0089	0.0087
w, out(g moisture/kg dry air)	0.0085	0.0084	0.0084	0.0084	0.0084	0.0084	0.0085	0.0085	0.0086	0.0086	0.0084	0.0082	0.0084	0.0082	0.0081
Absorption Rate(kg/hr)	0.0955	0.1043	0.1094	0.1182	0.0893	0.0993	0.0843	0.0703	0.0614	0.0653	0.0741	0.1118	0.1083	0.1358	0.1116

ตารางที่ ก 23 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 8 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	33.9	34.4	34.5	34.6	34.8	34.3	34.2	34.2	34.3	34.5	34.3	34.3	34.3	34.3	34.3
%RH, in(%)	56.2969	56.2886	56.2869	56.0650	56.2818	55.8506	56.2920	56.0716	55.8506	56.0667	56.0700	56.2903	56.2903	56.0700	56.0700
T, out(°C)	35.2	35.5	35.6	35.7	35.8	35.5	35.2	35.2	35.2	35.3	35.2	35.2	35.1	35.1	35
%RH, out(%)	57.1641	56.7121	56.4886	56.4867	56.4849	56.0497	56.4958	56.4958	56.2749	56.2731	56.4958	56.7177	56.4976	56.4976	56.2784
w, in(g moisture/kg dry air)	0.0089	0.0087	0.0087	0.0087	0.0086	0.0089	0.0088	0.0088	0.0089	0.0088	0.0088	0.0088	0.0088	0.0088	0.0088
w, out(g moisture/kg dry air)	0.0082	0.0083	0.0083	0.0083	0.0083	0.0085	0.0084	0.0084	0.0085	0.0085	0.0084	0.0084	0.0085	0.0085	0.0086
Absorption Rate(kg/hr)	0.1206	0.0829	0.0691	0.0829	0.0640	0.0743	0.0642	0.0780	0.0731	0.0541	0.0730	0.0729	0.0541	0.0680	0.0491

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	34.5	34.2	34.3	34.3	34.4	34.4	34.5	34.6	34.6	34.6	34.6	34.7	34.7	34.7	34.7
%RH, in(%)	56.0667	55.8522	56.2903	56.0700	56.0683	56.0683	55.8473	55.8457	55.6273	55.8457	55.6273	55.8441	55.8441	55.6257	55.4082
T, out(°C)	35.1	35.1	35	34.9	35	35	35.1	35.1	35	35.1	35.1	35.2	35.2	35.1	35.1
%RH, out(%)	56.4976	56.2767	56.4994	56.2801	56.4994	56.2784	55.8374	56.2767	56.0583	56.0566	55.8374	56.2749	56.0549	56.0566	55.6192
w, in(g moisture/kg dry air)	0.0088	0.0089	0.0088	0.0088	0.0088	0.0088	0.0088	0.0088	0.0089	0.0088	0.0089	0.0088	0.0088	0.0089	0.0089
w, out(g moisture/kg dry air)	0.0085	0.0085	0.0085	0.0086	0.0085	0.0086	0.0087	0.0085	0.0086	0.0086	0.0087	0.0085	0.0086	0.0086	0.0088
Absorption Rate(kg/hr)	0.0579	0.0731	0.0491	0.0441	0.0579	0.0441	0.0302	0.0529	0.0479	0.0390	0.0391	0.0529	0.0390	0.0479	0.0341



ตารางที่ ก 24 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 8 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	34.3	34.5	34.1	34.3	34.3	34.4	34.5	34.2	34.3	34.4	34.4	34.6	34.6	34.5	34.1
%RH, in(%)	52.2571	52.0512	51.8531	52.0535	52.0535	52.0524	52.0512	52.0547	52.0535	52.0524	52.0524	52.0501	52.0501	52.0512	52.2594
T, out(°C)	40.6	40.6	39.9	39.5	39.1	38.8	38.6	38.1	38	37.9	37.7	37.7	37.5	37.4	36.9
%RH, out(%)	51.9684	51.3678	50.9813	51.1849	51.3894	51.3935	51.3962	51.6030	51.6043	51.6056	51.4080	51.4080	51.6109	51.6122	52.0218
w, in(g moisture/kg dry air)	0.0101	0.0102	0.0103	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0102	0.0101	0.0101	0.0102	0.0102
w, out(g moisture/kg dry air)	0.0086	0.0088	0.0091	0.0092	0.0092	0.0093	0.0093	0.0094	0.0094	0.0094	0.0095	0.0095	0.0095	0.0096	0.0095
Absorption Rate(kg/hr)	0.7629	0.6642	0.5906	0.5147	0.5010	0.4503	0.4121	0.4241	0.3986	0.3731	0.3109	0.2852	0.2967	0.2968	0.3214

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	33.8	34.3	34.3	34.4	34.1	34.3	34.3	34.4	34.5	34.6	34.5	34.5	34.4	34.3	34.3
%RH, in(%)	52.2628	51.8509	52.0535	51.8497	52.0558	51.8509	52.0535	51.8497	51.8486	51.6457	51.8486	51.6468	51.8497	52.0535	51.8509
T, out(°C)	36.6	36.8	36.7	36.7	36.5	36.6	36.5	36.5	36.5	36.5	36.4	36.3	36.2	36.1	36.1
%RH, out(%)	51.8236	51.6198	51.8223	51.6210	51.6235	51.6222	51.8248	51.6235	51.6235	51.4230	51.6247	51.6259	51.6271	51.8298	51.8298
w, in(g moisture/kg dry air)	0.0103	0.0103	0.0102	0.0103	0.0103	0.0103	0.0102	0.0103	0.0102	0.0103	0.0102	0.0103	0.0103	0.0102	0.0103
w, out(g moisture/kg dry air)	0.0097	0.0097	0.0097	0.0097	0.0098	0.0098	0.0097	0.0098	0.0098	0.0099	0.0098	0.0098	0.0099	0.0098	0.0098
Absorption Rate(kg/hr)	0.2850	0.2829	0.2702	0.2574	0.2336	0.2575	0.2447	0.2319	0.2190	0.2062	0.2063	0.2305	0.1936	0.1937	0.2306

ตารางที่ ก 24 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 8 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	34.2	34.2	34.3	34.1	34.1	34	34	34	33.9	33.9	34.5	34.3	34.3	34.5	34.3
%RH, in(%)	52.0547	51.8520	51.8509	51.8531	51.6512	52.0569	52.0569	52.0569	52.0581	52.2617	51.8486	52.0535	51.8509	52.0512	51.8509
T, out(°C)	35.9	35.9	35.9	35.7	35.7	35.7	35.6	35.5	35.4	35.3	35.7	35.6	35.6	35.6	35.5
%RH, out(%)	51.8322	51.6307	51.6307	51.8346	51.6331	51.8346	51.8358	51.8370	52.0406	51.8394	51.6331	51.8358	51.8358	51.8358	51.8370
w, in(g moisture/kg dry air)	0.0102	0.0103	0.0103	0.0103	0.0104	0.0103	0.0103	0.0103	0.0103	0.0102	0.0102	0.0102	0.0103	0.0102	0.0103
w, out(g moisture/kg dry air)	0.0099	0.0099	0.0099	0.0099	0.0100	0.0099	0.0099	0.0100	0.0099	0.0100	0.0100	0.0099	0.0099	0.0099	0.0100
Absorption Rate(kg/hr)	0.1810	0.1810	0.1681	0.2052	0.2053	0.1812	0.1684	0.1556	0.1926	0.1060	0.1169	0.1298	0.1667	0.1041	0.1539

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	34	34	34.1	34.4	34.6	34.8	33.9	34.2	34.2	34.2	34.2	34.3	34.3	34.3	34.3
%RH, in(%)	52.2605	52.0569	52.0558	52.0524	52.0501	51.8452	52.0581	52.2582	52.4626	52.6679	52.8740	52.6667	52.8728	52.8728	53.0797
T, out(°C)	35.3	35.3	35.3	35.4	35.6	35.7	35.2	35.2	35.1	35.1	35	35.2	35.1	35	35
%RH, out(%)	52.0418	52.0418	51.8394	52.0406	51.8358	51.8346	52.0430	52.2464	52.4518	52.4518	52.6581	52.6556	52.6568	52.8640	52.8640
w, in(g moisture/kg dry air)	0.0102	0.0103	0.0103	0.0102	0.0101	0.0101	0.0103	0.0102	0.0101	0.0100	0.0099	0.0100	0.0099	0.0099	0.0098
w, out(g moisture/kg dry air)	0.0099	0.0099	0.0100	0.0099	0.0099	0.0099	0.0100	0.0099	0.0098	0.0098	0.0098	0.0097	0.0098	0.0097	0.0097
Absorption Rate(kg/hr)	0.1300	0.1669	0.1171	0.1282	0.0913	0.1153	0.1669	0.1283	0.1155	0.0788	0.0661	0.1154	0.0660	0.0898	0.0533

ตารางที่ ก 25 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 8 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	38.8	38.4	38.6	38.5	38.3	38.5	38.5	38.4	38.6	38.6	38.7	38.4	38.5	38.6	38.7
%RH, in(%)	52.6055	52.2040	52.2011	52.0001	52.2054	52.2026	52.0001	52.2040	52.4044	52.4044	51.9972	52.4074	52.2026	52.4044	52.1997
T, out(°C)	41.2	41.7	41.8	41.8	41.6	41.4	41.5	41.3	41.1	41	41	40.7	40.7	40.6	40.5
%RH, out(%)	52.9749	51.9502	51.5481	51.1509	51.3523	51.3554	51.3539	51.5562	51.5594	51.5610	51.5610	51.7658	51.5656	51.5672	51.7689
w, in(g moisture/kg dry air)	0.0088	0.0091	0.0090	0.0091	0.0091	0.0090	0.0091	0.0091	0.0089	0.0089	0.0091	0.0090	0.0090	0.0089	0.0090
w, out(g moisture/kg dry air)	0.0081	0.0083	0.0084	0.0086	0.0085	0.0086	0.0086	0.0085	0.0086	0.0086	0.0086	0.0086	0.0087	0.0087	0.0087
Absorption Rate(kg/hr)	0.3748	0.3805	0.2949	0.2709	0.2714	0.2208	0.2697	0.2574	0.1706	0.1580	0.2179	0.1820	0.1691	0.1076	0.1550

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	38.4	38.3	38.3	38.4	38.5	38.5	38.3	38.4	38.4	38.7	38.3	38.4	38.4	38.3	38.3
%RH, in(%)	52.4074	52.6131	52.6131	52.4074	52.4059	52.2026	52.6131	52.6116	52.6116	52.4029	52.4088	52.2040	52.4074	52.2054	52.2054
T, out(°C)	40.4	40.1	40.1	40	40	40	39.8	39.8	39.8	39.9	39.7	39.5	39.6	39.5	39.5
%RH, out(%)	51.7705	51.9763	51.7751	51.7766	51.9778	51.7766	51.9809	51.9809	51.9809	51.7781	51.7811	51.7841	51.7826	51.7841	51.7841
w, in(g moisture/kg dry air)	0.0090	0.0089	0.0089	0.0090	0.0090	0.0090	0.0089	0.0089	0.0089	0.0089	0.0090	0.0091	0.0090	0.0091	0.0091
w, out(g moisture/kg dry air)	0.0087	0.0087	0.0088	0.0088	0.0087	0.0088	0.0088	0.0088	0.0088	0.0088	0.0089	0.0089	0.0089	0.0089	0.0089
Absorption Rate(kg/hr)	0.1442	0.1192	0.0827	0.0936	0.1174	0.1172	0.0812	0.0685	0.0685	0.0429	0.0683	0.0666	0.0429	0.0793	0.0793

ตารางที่ ก 25 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 8 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	38.2	38.3	38.2	38.2	38.2	38.2	38.1	38	38.1	38	38	38.2	38.1	38.2	38.1
%RH, in(%)	52.2069	52.2054	52.4103	52.4103	52.2069	52.4103	52.4117	52.6175	52.4117	52.6175	52.4132	52.4103	52.4117	52.4103	52.6160
T, out(°C)	39.4	39.4	39.3	39.3	39.2	39.2	39	39	38.9	38.9	38.9	39	38.9	38.9	38.8
%RH, out(%)	51.9870	51.7856	51.7870	51.9885	51.9899	51.9899	51.9929	52.1952	51.9943	52.1967	52.1967	51.9929	52.1967	52.1967	52.1982
w, in(g moisture/kg dry air)	0.0091	0.0091	0.0090	0.0090	0.0091	0.0090	0.0091	0.0090	0.0091	0.0090	0.0091	0.0090	0.0091	0.0090	0.0090
w, out(g moisture/kg dry air)	0.0089	0.0090	0.0090	0.0089	0.0089	0.0089	0.0090	0.0089	0.0090	0.0089	0.0089	0.0090	0.0089	0.0089	0.0090
Absorption Rate(kg/hr)	0.1159	0.0666	0.0303	0.0668	0.0905	0.0541	0.0415	0.0543	0.0288	0.0416	0.0780	0.0288	0.0652	0.0525	0.0162

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	38.3	38.2	38.3	38.3	38.2	38.3	38.3	38.4	38.4	38.4	38.5	38.6	38.6	38.6	38.8
%RH, in(%)	52.6131	52.4103	52.6131	52.6131	52.8196	52.8181	52.8181	52.8166	52.8166	52.8166	52.6101	52.8135	52.6085	52.6085	52.4014
T, out(°C)	38.9	38.8	38.8	38.8	38.8	38.7	38.7	38.7	38.8	38.7	38.9	38.9	38.9	38.9	39
%RH, out(%)	51.9943	51.9958	52.1982	52.1982	52.1982	52.4029	52.6070	52.6070	52.4014	52.1997	51.9943	52.3999	52.1967	52.1967	51.9929
w, in(g moisture/kg dry air)	0.0089	0.0090	0.0089	0.0089	0.0089	0.0089	0.0089	0.0088	0.0088	0.0088	0.0089	0.0088	0.0089	0.0089	0.0089
w, out(g moisture/kg dry air)	0.0090	0.0090	0.0090	0.0090	0.0090	0.0089	0.0088	0.0088	0.0089	0.0090	0.0090	0.0089	0.0089	0.0089	0.0090
Absorption Rate(kg/hr)	0.0329	0.0034	0.0092	0.0092	0.0327	0.0217	0.0146	0.0019	0.0217	0.0708	0.0583	0.0344	0.0346	0.0346	0.0474

ตารางที่ ก 26 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 8 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	38.5	38.3	38.5	38.9	38.5	38.2	38.1	38.2	38.6	38.3	38.4	37.9	38.1	38.4	38.5
%RH, in(%)	51.1984	51.0026	51.1984	50.9948	51.0000	50.8062	51.2036	50.8062	50.9987	51.0026	50.8037	51.2061	51.0051	50.8037	51.0000
T, out(°C)	44.3	43.8	43.4	43.3	42.7	42.3	41.9	41.8	41.7	41.3	41.3	40.7	40.7	40.8	40.6
%RH, out(%)	50.7160	50.3351	50.3416	50.3432	50.5473	50.3586	50.7553	50.3659	50.3674	50.5683	50.5683	50.7730	50.7730	50.5754	50.7744
w, in(g moisture/kg dry air)	0.0094	0.0095	0.0094	0.0094	0.0095	0.0096	0.0095	0.0096	0.0095	0.0095	0.0096	0.0096	0.0096	0.0096	0.0095
w, out(g moisture/kg dry air)	0.0081	0.0084	0.0085	0.0085	0.0086	0.0087	0.0087	0.0089	0.0089	0.0089	0.0089	0.0090	0.0090	0.0090	0.0090
Absorption Rate(kg/hr)	0.5156	0.4577	0.3697	0.3488	0.3586	0.3492	0.3198	0.2998	0.2210	0.2404	0.2594	0.2211	0.2300	0.2099	0.1801

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	38.5	38.4	38.4	38.5	38.5	38.4	38.7	38.5	38.6	38.4	38.5	38.7	38.8	38.5	38.5
%RH, in(%)	50.8024	51.0013	51.0013	50.8024	50.8024	51.0013	50.7999	51.0000	50.9987	51.1997	51.1984	50.9974	50.9961	51.0000	51.0000
T, out(°C)	40.7	40.5	40.4	40.3	40.3	40.1	40.2	40	40	39.8	39.7	39.9	39.9	39.6	39.6
%RH, out(%)	50.5768	50.7758	50.7772	50.7786	50.7786	50.5850	50.5837	50.7827	50.7827	50.7854	50.9840	50.9813	50.9813	50.9854	50.9854
w, in(g moisture/kg dry air)	0.0096	0.0095	0.0095	0.0096	0.0096	0.0095	0.0095	0.0095	0.0095	0.0094	0.0094	0.0094	0.0094	0.0095	0.0095
w, out(g moisture/kg dry air)	0.0091	0.0091	0.0091	0.0091	0.0091	0.0092	0.0092	0.0092	0.0092	0.0092	0.0092	0.0091	0.0091	0.0092	0.0092
Absorption Rate(kg/hr)	0.1900	0.1802	0.1703	0.1793	0.1793	0.1114	0.1204	0.1205	0.1105	0.0816	0.0907	0.1196	0.1096	0.1097	0.1097

ตารางที่ ก 26 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 8 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	38.5	38.2	38.3	38.2	38.3	38.4	38.4	38.2	38.7	38.3	38.1	38.2	38.4	38.1	38.2
%RH, in(%)	51.0000	51.2023	51.2010	51.2023	51.2010	51.0013	51.1997	51.2023	51.1957	51.2010	51.4029	51.4015	51.1997	51.6030	51.6016
T, out(°C)	39.5	39.3	39.3	39.2	39.3	39.3	39.2	39.1	39.4	39.2	38.9	39	39	38.8	38.8
%RH, out(%)	50.9868	51.1876	51.1876	51.1890	50.9895	50.9895	51.1890	51.1904	51.1863	51.1890	51.1931	51.3908	51.1917	51.3935	51.5934
w, in(g moisture/kg dry air)	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0094	0.0095	0.0094	0.0095	0.0094	0.0094	0.0094	0.0094	0.0093
w, out(g moisture/kg dry air)	0.0092	0.0092	0.0092	0.0092	0.0093	0.0093	0.0092	0.0093	0.0092	0.0092	0.0093	0.0092	0.0093	0.0093	0.0092
Absorption Rate(kg/hr)	0.0998	0.1098	0.0998	0.0999	0.0709	0.0899	0.0799	0.0899	0.0698	0.0899	0.0510	0.0799	0.0599	0.0411	0.0599

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	38.1	38.2	38.2	38.1	38.1	38.1	38	38	38.1	38.2	38.1	38.2	38.3	38.2	38.2
%RH, in(%)	51.8039	51.8026	51.8026	52.0057	51.8039	51.8039	52.0071	52.0071	52.0057	52.0043	52.0057	52.2069	52.0029	52.0043	52.0043
T, out(°C)	38.8	38.7	38.7	38.7	38.7	38.6	38.6	38.5	38.6	38.6	38.6	38.5	38.6	38.5	38.5
%RH, out(%)	51.7942	51.7956	51.7956	51.7956	51.5948	51.7970	51.7970	51.7984	51.7970	51.9986	51.9986	52.0001	51.9986	52.0001	51.7984
w, in(g moisture/kg dry air)	0.0093	0.0093	0.0093	0.0092	0.0093	0.0093	0.0092	0.0092	0.0092	0.0092	0.0092	0.0091	0.0092	0.0092	0.0092
w, out(g moisture/kg dry air)	0.0091	0.0091	0.0091	0.0091	0.0092	0.0092	0.0092	0.0092	0.0092	0.0091	0.0091	0.0091	0.0091	0.0091	0.0092
Absorption Rate(kg/hr)	0.0699	0.0500	0.0500	0.0312	0.0311	0.0500	0.0312	0.0212	0.0212	0.0400	0.0500	0.0013	0.0300	0.0300	0.0012

ตารางที่ ก 27 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 8 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	38.4	38.5	38.5	38.4	38.5	38.9	38.2	38.2	38.2	37.8	37.5	37.5	37.4	38.2	38.1
%RH, in(%)	50.6069	50.4098	50.4098	50.4110	50.4098	50.4049	50.2182	50.4134	50.4134	50.2229	50.2263	50.2263	50.2274	50.0238	50.2194
T, out(°C)	41.6	42.5	42.5	42.1	41.9	41.9	41.2	40.9	40.8	40.3	39.9	39.7	39.5	40	39.8
%RH, out(%)	50.5639	50.3556	50.3556	50.3615	50.3645	50.1702	50.3745	50.3787	50.3801	50.3868	50.1973	50.3947	50.3973	50.0021	50.3934
w, in(g moisture/kg dry air)	0.0097	0.0097	0.0097	0.0097	0.0097	0.0096	0.0099	0.0098	0.0098	0.0100	0.0101	0.0101	0.0101	0.0099	0.0099
w, out(g moisture/kg dry air)	0.0088	0.0087	0.0087	0.0088	0.0088	0.0089	0.0090	0.0091	0.0091	0.0093	0.0094	0.0094	0.0095	0.0095	0.0094
Absorption Rate(kg/hr)	0.4074	0.5083	0.5083	0.4707	0.4326	0.3442	0.4199	0.3444	0.3318	0.3571	0.3073	0.3193	0.3067	0.2302	0.2549

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	38	38.4	38.8	37.9	38.3	38.3	38.4	38.4	38.5	38.4	38.5	38.5	38.4	38.5	38.5
%RH, in(%)	50.2205	50.0215	50.2111	50.4170	50.0227	50.0227	50.2159	49.8280	49.8268	49.8280	49.8268	49.6341	49.6353	49.6341	49.6341
T, out(°C)	39.6	39.8	39.9	39.4	39.6	39.5	39.5	39.4	39.5	39.4	39.4	39.4	39.2	39.3	39.2
%RH, out(%)	50.2012	50.1986	50.3921	50.5943	50.2012	50.3973	50.2024	49.8163	50.0083	50.0096	49.8163	49.6238	49.8187	49.6249	49.8187
w, in(g moisture/kg dry air)	0.0099	0.0099	0.0097	0.0099	0.0099	0.0099	0.0098	0.0100	0.0099	0.0100	0.0099	0.0100	0.0100	0.0100	0.0100
w, out(g moisture/kg dry air)	0.0095	0.0095	0.0094	0.0094	0.0095	0.0095	0.0095	0.0097	0.0096	0.0096	0.0097	0.0098	0.0098	0.0098	0.0098
Absorption Rate(kg/hr)	0.2048	0.2166	0.1779	0.2295	0.2039	0.2286	0.1407	0.1280	0.1656	0.1657	0.1152	0.1152	0.1403	0.1024	0.1274

ตารางที่ ก 27 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 8 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	38.4	38.4	38.6	38.7	38.6	38.8	38.1	38.2	38.3	38.3	38.4	38.5	38.4	38.4	38.4
%RH, in(%)	49.8280	49.4433	49.6330	49.6319	49.6330	49.4389	49.4466	49.4455	49.4444	49.8291	49.4433	49.4422	49.4433	49.4433	49.4433
T, out(°C)	39.1	39	39.1	39.2	39.1	39.3	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
%RH, out(%)	49.8198	49.6284	49.8198	49.8187	49.8198	49.8175	49.6307	49.6307	49.6307	49.8234	49.8234	49.4389	49.4389	49.6307	49.6307
w, in(g moisture/kg dry air)	0.0100	0.0101	0.0100	0.0100	0.0100	0.0100	0.0102	0.0102	0.0102	0.0100	0.0101	0.0101	0.0101	0.0101	0.0101
w, out(g moisture/kg dry air)	0.0098	0.0099	0.0098	0.0098	0.0098	0.0097	0.0099	0.0099	0.0099	0.0099	0.0099	0.0100	0.0100	0.0099	0.0099
Absorption Rate(kg/hr)	0.0897	0.1148	0.1018	0.1018	0.1018	0.1396	0.1277	0.1149	0.1020	0.0641	0.1270	0.0385	0.0513	0.0892	0.0892

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	38.4	38.5	38.4	38.4	38.6	38.6	38.7	38.3	38.2	38.1	38.1	38	38	38.1	38
%RH, in(%)	49.4433	49.6341	49.6353	49.6353	49.6330	49.6330	49.6319	49.4444	49.4455	49.8314	49.8314	49.8325	49.8325	49.6386	49.8325
T, out(°C)	38.8	38.8	38.8	38.8	38.8	38.8	38.9	38.6	38.6	38.4	38.5	38.3	38.4	38.4	38.3
%RH, out(%)	49.6307	50.0168	49.8234	49.8234	49.6307	50.0168	49.8222	50.0192	49.6330	50.2159	50.2147	50.2170	50.4110	50.0215	50.2170
w, in(g moisture/kg dry air)	0.0101	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0102	0.0102	0.0100	0.0100	0.0101	0.0101	0.0101	0.0101
w, out(g moisture/kg dry air)	0.0099	0.0098	0.0099	0.0099	0.0099	0.0098	0.0098	0.0098	0.0100	0.0098	0.0098	0.0098	0.0097	0.0099	0.0098
Absorption Rate(kg/hr)	0.0892	0.1140	0.0891	0.0891	0.0256	0.1011	0.0634	0.1520	0.0893	0.1140	0.1268	0.1140	0.1644	0.1142	0.1140



ตารางที่ ก 28 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 10 แฉว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	28.5	28.3	28.2	28.1	28.2	28.1	28.1	28.2	28.4	28.4	28.4	28.4	28.4	28.5	28.6
%RH, in(%)	54.8399	54.6267	54.6278	54.8442	54.8431	54.8442	54.8442	55.0594	54.8410	54.8410	55.0573	55.0573	55.2744	55.0562	55.0550
T, out(°C)	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
%RH, out(%)	54.3739	54.1611	53.9491	54.1611	53.9491	53.9491	53.9491	54.1611	53.9491	53.7381	54.1611	54.1611	54.3739	54.3739	54.3739
w, in(g moisture/kg dry air)	0.0108	0.0109	0.0109	0.0109	0.0108	0.0109	0.0109	0.0108	0.0108	0.0108	0.0107	0.0107	0.0106	0.0107	0.0107
w, out(g moisture/kg dry air)	0.0101	0.0101	0.0102	0.0101	0.0102	0.0102	0.0102	0.0101	0.0102	0.0103	0.0101	0.0101	0.0101	0.0101	0.0101
Absorption Rate(kg/hr)	0.1224	0.1317	0.1234	0.1281	0.1104	0.1150	0.1150	0.1105	0.1011	0.0880	0.1012	0.1012	0.1012	0.1095	0.1048

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	28.4	28.5	28.6	28.5	28.4	28.4	28.5	28.4	28.5	28.5	28.5	28.5	28.5	28.6	28.5
%RH, in(%)	55.0573	55.2733	55.0550	55.0562	55.2744	55.2744	55.2733	55.4926	55.2733	55.2733	55.4914	55.4914	55.4914	55.4903	55.4914
T, out(°C)	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
%RH, out(%)	54.3739	54.3739	54.3739	54.5877	54.5877	54.5877	54.5877	54.8024	54.5877	54.8024	54.8024	54.5877	54.8024	54.8024	54.8024
w, in(g moisture/kg dry air)	0.0107	0.0106	0.0107	0.0107	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0105	0.0105	0.0105	0.0105	0.0105
w, out(g moisture/kg dry air)	0.0101	0.0101	0.0101	0.0100	0.0100	0.0100	0.0100	0.0099	0.0100	0.0099	0.0099	0.0100	0.0099	0.0099	0.0099
Absorption Rate(kg/hr)	0.1141	0.0966	0.1048	0.1224	0.1142	0.1142	0.1095	0.1143	0.1095	0.1225	0.1096	0.0967	0.1096	0.1050	0.1096

ตารางที่ ก 28 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 10 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	28.4	28.5	28.5	28.5	28.3	28.3	28.2	28.2	28.2	28.2	28.2	28.1	28.1	28	28
%RH, in(%)	55.9316	55.7104	55.7104	55.4914	55.4937	55.4937	55.2767	55.2767	55.2767	55.4948	55.2767	55.2778	55.2778	55.4971	55.4971
T, out(°C)	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
%RH, out(%)	55.0179	54.8024	55.0179	54.8024	54.8024	55.0179	54.8024	54.8024	54.8024	54.8024	54.5877	54.8024	54.5877	55.0179	54.8024
w, in(g moisture/kg dry air)	0.0104	0.0105	0.0105	0.0105	0.0106	0.0106	0.0107	0.0107	0.0107	0.0106	0.0107	0.0107	0.0107	0.0107	0.0107
w, out(g moisture/kg dry air)	0.0099	0.0099	0.0099	0.0099	0.0099	0.0099	0.0099	0.0099	0.0099	0.0099	0.0100	0.0099	0.0100	0.0099	0.0099
Absorption Rate(kg/hr)	0.1015	0.0968	0.1097	0.1096	0.1189	0.1318	0.1365	0.1365	0.1365	0.1236	0.1235	0.1411	0.1282	0.1458	0.1329

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	28.1	28.2	28.2	28.2	28.2	28.2	28.1	28.2	28.2	28.2	28.2	28.3	28.3	28.4	28.3
%RH, in(%)	55.4959	55.4948	55.2767	55.4948	55.4948	55.4948	55.4959	55.7139	55.4948	55.7139	55.7139	55.7128	55.4937	55.4926	55.4937
T, out(°C)	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
%RH, out(%)	55.0179	55.0179	54.8024	55.0179	55.0179	55.2344	55.0179	55.0179	55.0179	55.0179	55.0179	55.2344	55.0179	55.0179	55.2344
w, in(g moisture/kg dry air)	0.0106	0.0106	0.0107	0.0106	0.0106	0.0106	0.0106	0.0105	0.0106	0.0105	0.0105	0.0105	0.0105	0.0106	0.0106
w, out(g moisture/kg dry air)	0.0099	0.0099	0.0099	0.0099	0.0099	0.0098	0.0099	0.0099	0.0099	0.0099	0.0099	0.0098	0.0099	0.0099	0.0098
Absorption Rate(kg/hr)	0.1411	0.1365	0.1365	0.1365	0.1365	0.1493	0.1411	0.1236	0.1365	0.1236	0.1236	0.1318	0.1318	0.1272	0.1447

ตารางที่ ก 29 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 10 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	28.7	28.6	28.5	28.5	28.5	28.5	28.4	28.4	28.3	28.2	28.3	28.5	28.5	28.4	28.5
%RH, in(%)	54.4081	54.6235	54.8399	54.6246	54.8399	54.6246	55.0573	55.0573	55.0584	55.2767	55.4937	55.4914	55.2733	55.4926	55.2733
T, out(°C)	37.7	37.7	37.5	37.1	36.6	36.2	35.7	35.3	35	34.6	34.5	34.3	34.1	33.9	33.8
%RH, out(%)	54.9264	54.2876	54.2909	53.8756	53.8833	53.8894	54.3196	54.1136	54.5429	54.5487	54.7641	54.9820	54.9849	55.2037	54.9893
w, in(g moisture/kg dry air)	0.0108	0.0108	0.0108	0.0108	0.0108	0.0108	0.0107	0.0107	0.0107	0.0107	0.0106	0.0105	0.0106	0.0106	0.0106
w, out(g moisture/kg dry air)	0.0083	0.0085	0.0086	0.0088	0.0089	0.0091	0.0090	0.0092	0.0091	0.0092	0.0092	0.0092	0.0092	0.0092	0.0093
Absorption Rate(kg/hr)	0.9627	0.8635	0.8267	0.7608	0.6850	0.6738	0.6354	0.5690	0.6048	0.5484	0.5288	0.5167	0.5246	0.5150	0.4954

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	28.4	28.4	28.5	28.4	28.3	28.4	28.1	28.2	28.1	28.3	28.4	28.2	28.4	28.3	28.5
%RH, in(%)	55.4926	55.2744	55.2733	55.4926	55.2756	55.2744	55.2778	55.4948	55.2778	55.4937	55.2744	55.2767	55.0573	55.2756	55.2733
T, out(°C)	33.6	33.5	33.3	33.2	33.1	33	32.8	32.7	32.6	32.6	32.5	32.4	32.4	32.2	32.3
%RH, out(%)	54.9921	54.9936	54.7812	54.9978	54.7840	54.7853	55.0033	55.0047	55.0060	55.0060	55.0074	55.0087	54.7933	55.0114	55.0101
w, in(g moisture/kg dry air)	0.0106	0.0106	0.0106	0.0106	0.0107	0.0106	0.0107	0.0106	0.0107	0.0106	0.0106	0.0107	0.0107	0.0107	0.0106
w, out(g moisture/kg dry air)	0.0094	0.0094	0.0095	0.0095	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0097	0.0097	0.0097	0.0097
Absorption Rate(kg/hr)	0.4584	0.4760	0.4191	0.4193	0.4194	0.3996	0.4375	0.3902	0.4179	0.3704	0.3781	0.3883	0.3683	0.3586	0.3485

ตารางที่ ก 29 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 10 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	28.4	28.6	28.6	28.6	28.6	28.7	28.7	28.7	28.7	28.6	28.8	28.8	28.7	28.7	28.6
%RH, in(%)	55.2744	55.4903	55.4903	55.4903	55.4903	55.4891	55.4891	55.2711	55.4891	55.4903	55.2699	55.2699	55.0539	55.2711	55.0550
T, out(°C)	32.2	32.1	32.2	32.1	32	32	31.9	32	31.9	31.9	31.9	31.9	31.8	31.6	31.7
%RH, out(%)	54.7959	55.0127	55.0114	55.0127	55.2304	55.4478	55.2318	55.2304	55.2318	55.0153	55.0153	55.0153	55.0166	55.0192	55.0179
w, in(g moisture/kg dry air)	0.0106	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0106	0.0105	0.0105	0.0105	0.0105	0.0106	0.0106	0.0107
w, out(g moisture/kg dry air)	0.0098	0.0097	0.0097	0.0097	0.0097	0.0096	0.0097	0.0097	0.0097	0.0098	0.0098	0.0098	0.0098	0.0099	0.0099
Absorption Rate(kg/hr)	0.3211	0.2914	0.3012	0.2914	0.3090	0.3265	0.2892	0.3266	0.2892	0.2717	0.2793	0.2793	0.3070	0.2597	0.3071

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	28.8	28.8	28.7	28.7	28.7	28.6	28.6	28.8	28.7	28.8	28.6	28.6	28.6	28.6	28.7
%RH, in(%)	55.0528	55.0528	55.0539	55.0539	55.0539	55.2722	55.0550	55.0528	55.0539	54.8366	55.0550	55.0550	55.0550	55.0550	55.0539
T, out(°C)	31.7	31.7	31.6	31.6	31.6	31.4	31.5	31.5	31.4	31.5	31.4	31.3	31.3	31.3	31.2
%RH, out(%)	54.8024	54.8024	54.5889	55.0192	54.8036	55.0218	54.8049	54.8049	54.8061	54.5902	54.8061	54.8074	54.8074	54.8074	54.5939
w, in(g moisture/kg dry air)	0.0106	0.0106	0.0106	0.0106	0.0106	0.0106	0.0107	0.0106	0.0106	0.0107	0.0107	0.0107	0.0107	0.0107	0.0106
w, out(g moisture/kg dry air)	0.0099	0.0099	0.0100	0.0099	0.0100	0.0099	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0101
Absorption Rate(kg/hr)	0.2596	0.2596	0.2321	0.2873	0.2597	0.2500	0.2598	0.2399	0.2400	0.2399	0.2500	0.2401	0.2401	0.2401	0.1926

ตารางที่ ก 30 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 10 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	28.2	28.3	28.6	28.6	28.4	28.3	28.4	28.4	28.2	28.2	28.3	28.2	28.2	28.2	28
%RH, in(%)	55.0594	55.4937	55.4903	55.4903	55.7116	55.4937	55.4926	55.7116	55.4948	55.7139	55.9328	55.7139	55.9339	55.4948	56.1573
T, out(°C)	37.7	38.2	38.1	37.5	36.9	36.3	35.9	35.6	35.2	34.8	34.5	34.3	34	33.9	33.6
%RH, out(%)	55.5730	55.3470	54.9191	54.5031	54.7264	54.7363	54.9571	54.9620	54.9683	55.1901	55.4114	55.1978	55.4190	55.2037	55.4250
w, in(g moisture/kg dry air)	0.0108	0.0106	0.0105	0.0105	0.0105	0.0106	0.0106	0.0105	0.0106	0.0105	0.0104	0.0105	0.0105	0.0106	0.0105
w, out(g moisture/kg dry air)	0.0081	0.0080	0.0082	0.0085	0.0086	0.0087	0.0088	0.0088	0.0089	0.0090	0.0090	0.0091	0.0091	0.0092	0.0092
Absorption Rate(kg/hr)	1.3367	1.2790	1.1554	1.0073	0.9572	0.9298	0.9015	0.8270	0.8382	0.7868	0.7350	0.7224	0.6838	0.7071	0.6225

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	27.9	28.4	28.4	28.5	28.4	28.5	28.6	28.7	28.5	28.4	28.3	28.1	28.2	28.1	28.2
%RH, in(%)	56.1584	55.9316	55.9316	55.7104	55.4926	55.4914	55.4903	55.7081	55.7104	55.4926	55.9328	55.9351	55.7139	55.9351	56.1549
T, out(°C)	33.3	33.4	33.3	33.2	33.1	33.1	33	33	32.8	32.7	32.4	32.3	32.3	32	32
%RH, out(%)	55.6473	55.4280	55.6473	55.4309	55.4323	55.2153	55.6518	55.6518	55.4366	55.2209	55.8795	55.8809	55.8809	55.6660	56.1053
w, in(g moisture/kg dry air)	0.0105	0.0104	0.0104	0.0105	0.0106	0.0105	0.0105	0.0104	0.0105	0.0106	0.0104	0.0105	0.0105	0.0105	0.0104
w, out(g moisture/kg dry air)	0.0092	0.0093	0.0092	0.0093	0.0093	0.0094	0.0093	0.0093	0.0094	0.0095	0.0094	0.0094	0.0094	0.0096	0.0094
Absorption Rate(kg/hr)	0.6330	0.5800	0.6031	0.5771	0.6135	0.5642	0.6103	0.5609	0.5253	0.5256	0.5359	0.5493	0.5723	0.4743	0.4971

ตารางที่ ก 30 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 28°C สารซิลิกาเจลจำนวน 10 แกว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	28.1	28.1	27.9	28.6	28.3	28.4	28.2	28.4	28.4	28.6	28.7	28.6	28.6	28.6	28.6
%RH, in(%)	56.1561	56.1561	56.1584	55.9292	56.1537	55.9316	55.9339	55.7116	55.9316	55.7093	55.7081	55.9292	55.7093	55.7093	55.9292
T, out(°C)	31.9	31.8	31.7	32	31.7	31.8	31.6	31.7	31.6	31.7	31.7	31.6	31.5	31.4	31.4
%RH, out(%)	55.6674	56.1081	56.1095	55.6660	55.6701	55.8880	55.8908	55.8894	55.8908	55.6701	55.6701	55.8908	55.8921	55.8935	55.8935
w, in(g moisture/kg dry air)	0.0104	0.0104	0.0105	0.0104	0.0104	0.0104	0.0105	0.0105	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104
w, out(g moisture/kg dry air)	0.0096	0.0095	0.0095	0.0096	0.0096	0.0095	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096
Absorption Rate(kg/hr)	0.4252	0.4843	0.4977	0.4084	0.3728	0.4448	0.4452	0.4680	0.4188	0.4056	0.3924	0.3925	0.4157	0.4027	0.3665

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	28.3	28.3	28.4	28.3	28.5	28.5	28.3	28.3	28.2	28	28.1	28.6	28.6	28.4	28.4
%RH, in(%)	55.9328	55.9328	55.9316	55.9328	55.9304	55.9304	55.7128	56.1537	56.1549	56.1573	56.3780	55.9292	55.9292	56.1525	55.9316
T, out(°C)	31.2	31.2	31	31.1	31.1	31.1	31	30.9	30.8	30.7	30.7	30.8	31	30.8	30.7
%RH, out(%)	55.6769	55.8962	55.8989	55.8976	55.8976	55.6782	55.8989	55.6808	56.1220	56.1233	55.9029	55.9016	55.8989	56.1220	56.1233
w, in(g moisture/kg dry air)	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0105	0.0104	0.0104	0.0105	0.0104	0.0104	0.0104	0.0103	0.0104
w, out(g moisture/kg dry air)	0.0098	0.0097	0.0097	0.0097	0.0097	0.0098	0.0097	0.0098	0.0097	0.0098	0.0098	0.0098	0.0097	0.0097	0.0098
Absorption Rate(kg/hr)	0.3438	0.3800	0.3407	0.3670	0.3406	0.3045	0.3902	0.2686	0.3409	0.3543	0.2689	0.2883	0.3144	0.3146	0.3377

ตารางที่ ก 31 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 10 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	34.9	34.5	34.6	34.5	35	34.4	34.8	34.8	34.5	34.5	34.7	34	34.6	34.3	34.1
%RH, in(%)	56.7231	56.9532	57.1753	57.4020	57.1679	57.1790	57.3963	57.6220	57.6278	58.0821	57.8506	57.8640	57.6258	58.3147	57.8621
T, out(°C)	37.5	38	38.6	38.5	38.8	38.4	38.4	38.2	38.1	37.9	37.9	37.3	37.5	37.2	37.1
%RH, out(%)	57.3405	57.7783	57.9890	58.2182	57.9838	57.7685	58.2208	58.4536	58.6849	58.6902	58.4615	58.7058	58.4717	59.1692	58.7108
w, in(g moisture/kg dry air)	0.0085	0.0085	0.0084	0.0083	0.0083	0.0084	0.0083	0.0082	0.0083	0.0081	0.0082	0.0083	0.0083	0.0081	0.0083
w, out(g moisture/kg dry air)	0.0076	0.0073	0.0071	0.0070	0.0070	0.0072	0.0071	0.0071	0.0070	0.0071	0.0071	0.0072	0.0072	0.0071	0.0073
Absorption Rate(kg/hr)	0.1736	0.2328	0.2576	0.2576	0.2472	0.2442	0.2372	0.2270	0.2509	0.2134	0.2033	0.2225	0.2020	0.2018	0.2073

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	34.2	34.5	34.5	34.5	34.6	34.4	34.6	34.6	34.3	34.4	34.2	34.4	34.6	34.2	34.5
%RH, in(%)	58.0880	57.8545	57.6278	57.8545	57.4001	57.6297	57.4001	57.4001	57.4057	57.6297	57.8602	57.6297	57.8525	57.8602	58.0821
T, out(°C)	37	37	37.1	37	36.9	36.8	36.9	36.8	36.7	36.5	36.4	36.5	36.5	36.2	36.4
%RH, out(%)	58.4841	58.0284	58.2534	58.4841	58.0307	58.2605	57.8042	58.0330	57.5829	58.2675	58.0421	57.8131	58.4960	58.2743	58.7279
w, in(g moisture/kg dry air)	0.0082	0.0082	0.0083	0.0082	0.0083	0.0083	0.0083	0.0083	0.0084	0.0083	0.0083	0.0083	0.0082	0.0083	0.0081
w, out(g moisture/kg dry air)	0.0074	0.0075	0.0074	0.0074	0.0075	0.0075	0.0076	0.0075	0.0077	0.0076	0.0077	0.0077	0.0075	0.0076	0.0074
Absorption Rate(kg/hr)	0.1698	0.1408	0.1733	0.1681	0.1582	0.1633	0.1445	0.1532	0.1360	0.1481	0.1258	0.1207	0.1378	0.1294	0.1377

ตารางที่ ก 31 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 10 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	34.5	34.1	34.1	34.2	34.2	34.5	34.5	34.3	34.6	34.3	34.4	33.7	34.2	34.3	34.3
%RH, in(%)	57.6278	57.6353	57.6353	57.6334	58.0880	58.0821	58.0821	58.3147	57.8525	58.0860	58.3127	58.5563	58.3167	58.3147	58.5443
T, out(°C)	36.5	36.1	36	35.9	36	36.1	36.1	35.9	36.1	35.9	35.9	35.4	35.6	35.7	35.5
%RH, out(%)	58.2675	58.2766	58.5076	58.5099	59.1996	58.7350	58.9656	58.9704	58.2766	58.7397	58.9704	59.4467	58.7465	58.9751	58.9797
w, in(g moisture/kg dry air)	0.0083	0.0084	0.0084	0.0084	0.0082	0.0081	0.0081	0.0081	0.0082	0.0082	0.0081	0.0082	0.0081	0.0081	0.0081
w, out(g moisture/kg dry air)	0.0076	0.0077	0.0076	0.0076	0.0074	0.0075	0.0075	0.0075	0.0077	0.0076	0.0075	0.0075	0.0076	0.0076	0.0076
Absorption Rate(kg/hr)	0.1430	0.1432	0.1519	0.1417	0.1600	0.1225	0.1361	0.1225	0.1038	0.1226	0.1174	0.1414	0.0988	0.1124	0.0885

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	34.1	34	34.3	34.6	34.3	34.5	34.5	34.2	34.4	34.4	33.7	33.7	34.3	34.3	34.2
%RH, in(%)	58.5483	58.0919	58.0860	58.3086	58.3147	58.3107	58.5402	58.7769	58.5422	58.5422	58.7871	58.7871	58.7748	58.7748	58.7769
T, out(°C)	35.5	35.4	35.6	35.7	35.6	35.6	35.7	35.3	35.6	35.4	35	35	35.2	35.2	35.2
%RH, out(%)	59.2115	58.7510	58.9774	59.2068	59.2092	58.9774	59.4395	59.2162	59.2092	59.4467	59.2231	59.4561	59.6853	59.4514	59.4514
w, in(g moisture/kg dry air)	0.0081	0.0083	0.0082	0.0080	0.0081	0.0081	0.0080	0.0080	0.0080	0.0080	0.0081	0.0081	0.0080	0.0080	0.0080
w, out(g moisture/kg dry air)	0.0075	0.0077	0.0076	0.0075	0.0075	0.0076	0.0074	0.0076	0.0075	0.0075	0.0077	0.0076	0.0075	0.0075	0.0075
Absorption Rate(kg/hr)	0.1123	0.1126	0.1210	0.1106	0.1209	0.0971	0.1156	0.0834	0.1021	0.1055	0.0937	0.1073	0.1003	0.0868	0.0919



ตารางที่ ก 32 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 10 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	34.6	34.6	34.6	34.6	34.6	34.2	34.4	34.3	33.9	34.3	34.2	34.5	34.6	34.3	34.7
%RH, in(%)	58.3086	57.6258	57.6258	57.6258	57.8525	57.6334	57.8564	57.8583	58.0938	57.8583	58.0880	57.8545	57.6258	57.6315	57.8506
T, out(°C)	39.8	39.9	39.6	39.4	39.1	38.7	38.5	38.3	37.8	37.8	37.6	37.6	37.6	37.2	37.3
%RH, out(%)	58.8645	57.7288	57.7371	57.7425	57.9758	57.9864	57.9916	57.9968	58.4641	58.2362	58.4692	58.2412	58.2412	58.2510	58.2486
w, in(g moisture/kg dry air)	0.0080	0.0083	0.0083	0.0083	0.0082	0.0084	0.0082	0.0083	0.0083	0.0083	0.0082	0.0082	0.0083	0.0083	0.0082
w, out(g moisture/kg dry air)	0.0065	0.0068	0.0069	0.0070	0.0070	0.0071	0.0071	0.0072	0.0072	0.0072	0.0072	0.0073	0.0073	0.0074	0.0074
Absorption Rate(kg/hr)	0.4354	0.4042	0.3827	0.3683	0.3466	0.3669	0.3181	0.3110	0.3237	0.2945	0.2872	0.2653	0.2777	0.2708	0.2289

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	34.8	34.5	34.6	34.6	34.7	34.5	34.4	34.4	34.4	34.4	34.5	34.6	34.6	34.3	34.4
%RH, in(%)	57.6220	57.6278	57.8525	57.6258	57.6239	57.6278	57.8564	57.8564	57.8564	57.8564	57.8545	57.6258	57.6258	57.8583	57.8564
T, out(°C)	37.2	37.1	37	36.8	36.9	36.7	36.5	36.4	36.4	36.3	36.2	36.2	36.1	35.9	35.8
%RH, out(%)	58.2510	58.2534	58.2558	58.2605	58.2582	58.2629	58.4960	58.4984	58.4984	58.7303	58.5030	58.5030	58.5053	58.7397	58.5121
w, in(g moisture/kg dry air)	0.0082	0.0083	0.0082	0.0083	0.0082	0.0083	0.0082	0.0082	0.0082	0.0082	0.0082	0.0083	0.0083	0.0083	0.0082
w, out(g moisture/kg dry air)	0.0074	0.0074	0.0074	0.0075	0.0075	0.0075	0.0075	0.0075	0.0075	0.0075	0.0076	0.0076	0.0076	0.0076	0.0077
Absorption Rate(kg/hr)	0.2341	0.2489	0.2145	0.2198	0.2197	0.2199	0.2125	0.2053	0.2053	0.2176	0.1834	0.1958	0.1886	0.1959	0.1616

ตารางที่ ก 32 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 10 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	34.2	34.4	35	34.7	34.8	34.8	34.1	34.1	34.4	34.1	34.1	34.7	34.5	34.5	34.5
%RH, in(%)	57.8602	57.6297	57.8446	57.6239	57.3963	57.6220	57.6353	57.8621	57.8564	57.8621	57.8621	57.6239	57.6278	57.6278	57.6278
T, out(°C)	35.8	35.9	36.1	36	36	35.9	35.5	35.3	35.4	35.4	35.3	35.5	35.5	35.3	35.3
%RH, out(%)	58.7420	58.5099	58.5053	58.5076	58.2788	58.2810	58.7488	58.7533	58.7510	58.5210	58.7533	58.7488	58.5188	58.7533	58.5232
w, in(g moisture/kg dry air)	0.0083	0.0083	0.0081	0.0082	0.0083	0.0082	0.0084	0.0083	0.0082	0.0083	0.0083	0.0082	0.0083	0.0083	0.0083
w, out(g moisture/kg dry air)	0.0076	0.0076	0.0076	0.0076	0.0077	0.0077	0.0077	0.0077	0.0077	0.0078	0.0077	0.0077	0.0077	0.0077	0.0078
Absorption Rate(kg/hr)	0.1959	0.1887	0.1394	0.1739	0.1668	0.1397	0.2013	0.1669	0.1521	0.1545	0.1669	0.1572	0.1522	0.1573	0.1376

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	34.4	34.3	34.2	34.2	34.3	34.2	34.2	34.4	34.5	34.2	34.3	34.3	34.4	34.3	34.3
%RH, in(%)	57.8564	57.8583	57.8602	57.8602	57.8583	57.8602	58.0880	57.8564	57.8545	57.6334	58.0860	57.6315	57.6297	57.8583	57.8583
T, out(°C)	35.3	35.2	35.1	35.1	35	35	35	35	35.1	35	34.9	35	35	34.9	34.8
%RH, out(%)	58.7533	58.7555	58.7577	58.7577	58.7599	58.7599	58.9910	58.9910	58.7577	58.7599	58.9932	58.7599	58.7599	58.7620	58.7642
w, in(g moisture/kg dry air)	0.0082	0.0083	0.0083	0.0083	0.0083	0.0083	0.0082	0.0082	0.0082	0.0084	0.0082	0.0083	0.0083	0.0083	0.0083
w, out(g moisture/kg dry air)	0.0077	0.0078	0.0078	0.0078	0.0078	0.0078	0.0077	0.0077	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0079
Absorption Rate(kg/hr)	0.1448	0.1449	0.1449	0.1449	0.1303	0.1376	0.1374	0.1425	0.1228	0.1575	0.1227	0.1501	0.1428	0.1229	0.1156

ตารางที่ ก 33 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 10 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	34.2	34.3	34.4	34.6	34.2	34.3	34.3	34.4	34.4	34.6	34.6	34.4	34.4	34.1	34.3
%RH, in(%)	53.4976	53.4963	53.4950	53.2837	53.4976	53.2876	53.2876	53.2863	53.0785	53.0760	53.2837	53.2863	53.0785	53.2901	53.4963
T, out(°C)	41.3	41.2	41	40.4	39.8	39.6	39.2	38.9	38.7	38.7	38.5	38.1	37.9	37.6	37.5
%RH, out(%)	53.5925	52.5660	52.3662	52.3762	52.3860	52.3891	52.5993	52.8088	52.4029	52.6070	52.6101	52.6160	52.6190	52.8286	53.0362
w, in(g moisture/kg dry air)	0.0097	0.0097	0.0097	0.0097	0.0097	0.0098	0.0098	0.0097	0.0098	0.0098	0.0097	0.0097	0.0098	0.0098	0.0097
w, out(g moisture/kg dry air)	0.0078	0.0082	0.0083	0.0085	0.0086	0.0087	0.0087	0.0087	0.0089	0.0088	0.0089	0.0090	0.0091	0.0091	0.0090
Absorption Rate(kg/hr)	0.9378	0.7325	0.6583	0.5931	0.5327	0.5307	0.5165	0.5020	0.4401	0.4508	0.3892	0.3641	0.3750	0.3756	0.3371

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	34.3	34.4	34.4	34.5	34.5	34.5	34.6	34.5	34.6	34.5	34.5	34.6	34.3	34.2	34.3
%RH, in(%)	53.2876	53.4950	53.2863	53.2850	53.4937	53.2850	53.2837	53.4937	53.4924	53.7032	53.7032	53.4924	53.7059	53.7072	53.7059
T, out(°C)	37.4	37.2	37.2	37.1	37.1	37	36.9	36.8	36.7	36.6	36.6	36.5	36.3	36.2	36.2
%RH, out(%)	53.0376	53.0406	53.0406	53.0420	53.0420	52.8372	53.0449	53.2535	53.0478	53.2564	53.2564	53.4660	53.2607	53.2621	53.4704
w, in(g moisture/kg dry air)	0.0098	0.0097	0.0097	0.0097	0.0096	0.0097	0.0097	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096
w, out(g moisture/kg dry air)	0.0090	0.0091	0.0091	0.0091	0.0091	0.0092	0.0092	0.0091	0.0092	0.0092	0.0092	0.0091	0.0092	0.0093	0.0092
Absorption Rate(kg/hr)	0.3607	0.2860	0.3223	0.2967	0.2604	0.2476	0.2583	0.2585	0.1965	0.1967	0.1967	0.2436	0.1841	0.1841	0.2076

ตารางที่ ก 33 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 34°C สารซิลิกาเจลจำนวน 10 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	34.3	34.2	34.3	34.3	34.4	34.2	34.3	34.4	34.3	34.1	33.9	34	33.9	33.9	33.9
%RH, in(%)	53.9163	53.9177	53.7059	53.7059	53.4950	53.7072	53.7059	53.7046	53.9163	53.9190	54.1331	53.9204	54.1331	54.3455	54.1331
T, out(°C)	36.1	36.1	36	36	35.9	35.9	35.8	35.8	35.7	35.6	35.4	35.4	35.4	35.2	35.2
%RH, out(%)	53.4718	53.4718	53.4732	53.2649	53.2663	53.4746	53.4760	53.4760	53.6867	53.4788	53.6909	53.6909	53.6909	54.1150	54.1150
w, in(g moisture/kg dry air)	0.0095	0.0096	0.0096	0.0096	0.0097	0.0096	0.0096	0.0096	0.0095	0.0096	0.0096	0.0096	0.0096	0.0095	0.0096
w, out(g moisture/kg dry air)	0.0092	0.0092	0.0092	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0094	0.0093	0.0093	0.0093	0.0092	0.0092
Absorption Rate(kg/hr)	0.1586	0.1715	0.1820	0.1457	0.1563	0.1821	0.1564	0.1435	0.1436	0.1203	0.1205	0.1438	0.1205	0.1311	0.1672

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	33.9	33.9	34	34	34	34	34.1	34.1	34	34.1	34.2	34.2	34.2	34.2	34.3
%RH, in(%)	54.1331	54.3455	54.3441	54.3441	54.1318	54.3441	54.3427	54.3427	54.3441	54.3427	54.1291	54.3413	54.3413	54.3413	54.3399
T, out(°C)	35.2	35.2	35.2	35.1	35.2	35.1	35.1	35.1	35.1	35.1	35.2	35.1	35.1	35	35.1
%RH, out(%)	53.9039	53.9039	53.9039	54.1165	53.9039	53.9053	53.9053	53.9053	54.1165	54.1165	54.1150	54.1165	54.1165	54.1179	54.1165
w, in(g moisture/kg dry air)	0.0096	0.0095	0.0095	0.0095	0.0095	0.0095	0.0094	0.0094	0.0095	0.0094	0.0095	0.0094	0.0094	0.0094	0.0094
w, out(g moisture/kg dry air)	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0092	0.0093	0.0093	0.0093	0.0093
Absorption Rate(kg/hr)	0.1311	0.0950	0.0821	0.1054	0.1182	0.0692	0.0564	0.0564	0.1054	0.0925	0.1286	0.0796	0.0796	0.0668	0.0668

ตารางที่ ก 34 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 10 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	38	38.7	38.3	38.3	38.5	38.5	38.5	38.7	37.7	38.1	38.3	38.2	38.1	38.4	38.3
%RH, in(%)	53.8611	53.8493	53.6468	53.8561	53.6435	53.6435	53.6435	53.6401	53.4479	53.8594	53.8561	53.6484	53.6501	53.6451	53.8561
T, out(°C)	42.9	43.7	43.8	43.6	43.7	43.5	43.3	43.3	42.6	42.5	42.5	42.3	42	42	41.8
%RH, out(%)	55.0273	53.9556	53.3326	53.1317	52.9249	52.9292	52.9335	52.9335	52.7436	53.1551	53.1551	53.1592	53.1652	53.1652	53.3754
w, in(g moisture/kg dry air)	0.0086	0.0084	0.0086	0.0085	0.0085	0.0085	0.0085	0.0085	0.0088	0.0086	0.0085	0.0086	0.0086	0.0086	0.0085
w, out(g moisture/kg dry air)	0.0069	0.0071	0.0072	0.0074	0.0074	0.0075	0.0075	0.0075	0.0078	0.0076	0.0076	0.0077	0.0078	0.0078	0.0078
Absorption Rate(kg/hr)	0.3714	0.2974	0.2941	0.2511	0.2452	0.2340	0.2229	0.2115	0.2292	0.2008	0.1895	0.1999	0.1887	0.1716	0.1661

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	38.5	38.5	38.5	37.9	37.9	38.3	38.5	38.1	38.5	38.4	38.5	38.6	38.6	38.7	38.3
%RH, in(%)	53.6435	53.6435	53.6435	53.6533	53.8627	53.8561	53.6435	53.8594	53.6435	53.6451	53.6435	53.4335	53.6418	53.6401	53.6468
T, out(°C)	41.8	41.7	41.6	41.2	41	41.1	41.1	41	41	40.8	40.8	40.8	40.8	40.7	40.6
%RH, out(%)	53.1691	53.1711	53.1730	53.1806	53.3910	53.3891	53.1825	53.3910	53.3910	53.3948	53.3948	53.1881	53.3948	53.3966	53.3985
w, in(g moisture/kg dry air)	0.0085	0.0085	0.0085	0.0087	0.0086	0.0085	0.0085	0.0086	0.0085	0.0086	0.0085	0.0086	0.0085	0.0085	0.0086
w, out(g moisture/kg dry air)	0.0078	0.0079	0.0079	0.0080	0.0080	0.0079	0.0080	0.0080	0.0080	0.0080	0.0080	0.0081	0.0080	0.0080	0.0081
Absorption Rate(kg/hr)	0.1547	0.1491	0.1434	0.1551	0.1438	0.1267	0.1153	0.1324	0.1257	0.1201	0.1144	0.1087	0.1087	0.0973	0.1145

ตารางที่ ก 34 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 1 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 10 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	38.1	38.5	38.3	38.4	38.4	38.5	38.6	38.5	38.5	38.6	38.4	38.5	38.1	38	38.6
%RH, in(%)	53.8594	53.6435	53.6468	53.6451	53.6451	53.6435	53.6418	53.6435	53.6435	53.6418	53.6451	53.4351	53.6501	53.8611	53.4335
T, out(°C)	40.3	40.4	40.3	40.3	40.3	40.4	40.3	40.3	40.2	40.1	40.1	40	39.8	39.6	39.9
%RH, out(%)	53.6117	53.4022	53.4040	53.4040	53.4040	53.1954	53.4040	53.4040	53.4058	53.4076	53.4076	53.4094	53.2059	53.4165	53.4112
w, in(g moisture/kg dry air)	0.0086	0.0085	0.0086	0.0086	0.0086	0.0085	0.0085	0.0085	0.0085	0.0085	0.0086	0.0086	0.0086	0.0086	0.0086
w, out(g moisture/kg dry air)	0.0081	0.0081	0.0081	0.0081	0.0081	0.0082	0.0081	0.0081	0.0082	0.0082	0.0082	0.0082	0.0083	0.0083	0.0082
Absorption Rate(kg/hr)	0.1089	0.0918	0.0975	0.0918	0.0918	0.0757	0.0804	0.0861	0.0805	0.0691	0.0805	0.0852	0.0645	0.0589	0.0738

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	38.5	38.4	38.2	38.2	38.1	38.3	38.5	37.4	38.5	38.5	38.5	38.5	38.6	38.1	38.2
%RH, in(%)	53.4351	53.6451	53.6484	53.6484	53.6501	53.8561	53.6435	53.6613	53.4351	53.4351	53.6435	53.4351	53.4335	53.6501	53.6484
T, out(°C)	39.9	39.7	39.6	39.6	39.5	39.5	39.6	39.1	39.5	39.5	39.4	39.5	39.5	39.1	39.2
%RH, out(%)	53.4112	53.4148	53.6245	53.4165	53.4182	53.6263	53.6245	53.2178	53.4182	53.4182	53.6280	53.4182	53.4182	53.6333	53.6315
w, in(g moisture/kg dry air)	0.0086	0.0086	0.0086	0.0086	0.0086	0.0085	0.0085	0.0088	0.0086	0.0086	0.0085	0.0086	0.0086	0.0086	0.0086
w, out(g moisture/kg dry air)	0.0082	0.0083	0.0082	0.0083	0.0083	0.0083	0.0082	0.0085	0.0083	0.0083	0.0083	0.0083	0.0083	0.0084	0.0084
Absorption Rate(kg/hr)	0.0795	0.0578	0.0796	0.0635	0.0636	0.0522	0.0625	0.0647	0.0569	0.0569	0.0512	0.0569	0.0512	0.0569	0.0569

ตารางที่ ก 35 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 10 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	38.7	38.8	38.3	38.2	38.1	38.2	38.3	38.4	38.6	38.4	38.6	38.5	38.5	38.5	38.5
%RH, in(%)	51.5948	51.3935	51.4002	51.6016	51.6030	51.6016	51.4002	51.1997	51.3962	51.1997	51.1971	51.1984	51.1984	51.3976	51.5976
T, out(°C)	44.5	44.4	43.9	43.4	43.1	42.9	42.7	42.6	42.5	42.3	42.2	41.9	41.7	41.6	41.4
%RH, out(%)	51.4997	51.1064	51.1155	50.9275	51.3273	51.1329	51.1363	50.9408	51.1396	50.9456	50.7507	50.9519	50.9550	51.1540	51.3554
w, in(g moisture/kg dry air)	0.0092	0.0093	0.0094	0.0093	0.0094	0.0093	0.0094	0.0094	0.0093	0.0094	0.0094	0.0094	0.0094	0.0093	0.0093
w, out(g moisture/kg dry air)	0.0077	0.0079	0.0080	0.0082	0.0082	0.0083	0.0083	0.0084	0.0084	0.0085	0.0086	0.0086	0.0087	0.0086	0.0086
Absorption Rate(kg/hr)	0.5469	0.5009	0.5019	0.4098	0.4461	0.3904	0.3895	0.3705	0.3420	0.3423	0.2862	0.2951	0.2762	0.2668	0.2479

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	38.5	38.5	38.5	38.4	38.4	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.5	38.4
%RH, in(%)	51.3976	51.5976	51.5976	51.5989	51.5989	51.6003	51.7998	51.5989	51.3989	51.3989	51.1997	51.1997	51.1997	51.1984	51.1997
T, out(°C)	41.3	41.2	41	40.9	40.9	40.6	40.6	40.5	40.5	40.4	40.4	40.4	40.2	40.2	40.2
%RH, out(%)	51.1586	51.1602	51.3617	51.5625	51.3632	51.5672	51.5672	51.3693	51.1706	51.1721	51.1721	50.9742	51.1750	51.1750	51.1750
w, in(g moisture/kg dry air)	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0092	0.0093	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094
w, out(g moisture/kg dry air)	0.0087	0.0087	0.0087	0.0086	0.0087	0.0087	0.0087	0.0088	0.0089	0.0089	0.0089	0.0090	0.0090	0.0090	0.0090
Absorption Rate(kg/hr)	0.2384	0.2015	0.2101	0.2376	0.2102	0.2188	0.1818	0.1723	0.1723	0.1628	0.1904	0.1628	0.1714	0.1619	0.1714

ตารางที่ ก 35 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 10 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	38.6	38.5	38.4	38.5	38.5	38.6	38.6	38.6	38.7	38.7	38.7	38.7	38.6	38.6	38.5
%RH, in(%)	50.8012	51.0000	51.0013	50.8024	50.8024	50.6045	50.8012	50.6045	50.4073	50.2123	50.4073	50.4073	50.6045	50.8012	50.8024
T, out(°C)	40.2	40.2	40.1	40.1	40	40.1	40	40	40	40	40	39.9	39.8	39.7	39.7
%RH, out(%)	50.7800	50.9771	50.7814	50.7814	50.7827	50.5850	50.7827	50.5864	50.3908	50.3908	50.3908	50.3921	50.5890	50.5904	50.5904
w, in(g moisture/kg dry air)	0.0095	0.0095	0.0095	0.0096	0.0096	0.0096	0.0095	0.0096	0.0097	0.0097	0.0097	0.0097	0.0096	0.0095	0.0096
w, out(g moisture/kg dry air)	0.0091	0.0091	0.0092	0.0092	0.0092	0.0092	0.0092	0.0093	0.0093	0.0093	0.0093	0.0094	0.0093	0.0093	0.0093
Absorption Rate(kg/hr)	0.1524	0.1619	0.1343	0.1524	0.1429	0.1429	0.1334	0.1334	0.1239	0.1518	0.1239	0.1144	0.1144	0.0771	0.0866

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	37.7	39.4	38.2	38.2	38.1	38	38.2	38.1	38.1	38.1	38.1	38.1	38.2	38.2	38.1
%RH, in(%)	50.8123	50.3986	50.4134	50.4134	49.8314	49.8325	49.6375	49.6386	49.6386	49.8314	49.6386	49.8314	49.8303	49.8303	49.8314
T, out(°C)	39.3	40.1	39.5	39.5	39.5	39.5	39.6	39.5	39.5	39.3	39.3	39.3	39.3	39.2	39.2
%RH, out(%)	50.5956	50.5850	50.3973	50.3973	50.0083	49.8151	49.6214	49.6226	49.4309	49.8175	49.6249	49.8175	49.8175	50.0120	49.8187
w, in(g moisture/kg dry air)	0.0098	0.0095	0.0098	0.0098	0.0100	0.0101	0.0101	0.0101	0.0101	0.0100	0.0101	0.0100	0.0100	0.0100	0.0100
w, out(g moisture/kg dry air)	0.0094	0.0092	0.0095	0.0095	0.0096	0.0097	0.0097	0.0098	0.0098	0.0097	0.0098	0.0097	0.0097	0.0097	0.0098
Absorption Rate(kg/hr)	0.1251	0.0944	0.1242	0.1242	0.1620	0.1434	0.1338	0.1339	0.1056	0.1148	0.1148	0.1148	0.1052	0.1238	0.1052



ตารางที่ ก 36 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 10 แถว

Time(minutes)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
T, in(°C)	38.8	38	38.2	38.5	38.5	38.8	38.7	38.8	38.4	38.3	38.3	38.4	38.5	38.5	38.6
%RH, in(%)	60.5220	60.0780	60.0718	59.8287	59.8287	59.5868	59.5899	59.8193	59.5990	59.8349	60.0687	59.5990	59.8287	59.8287	59.5930
T, out(°C)	42.7	42.6	42.5	42.4	42.1	42.1	41.8	41.6	41.2	41	40.8	40.8	40.6	40.6	40.4
%RH, out(%)	62.2360	60.8327	60.3731	60.3778	60.3916	60.1599	60.1730	60.4138	60.1982	60.4392	60.9162	60.6814	60.6896	60.6896	60.6977
w, in(g moisture/kg dry air)	0.0063	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0065	0.0067	0.0066	0.0065	0.0067	0.0066	0.0066	0.0066
w, out(g moisture/kg dry air)	0.0048	0.0052	0.0053	0.0054	0.0054	0.0055	0.0056	0.0056	0.0057	0.0057	0.0056	0.0057	0.0058	0.0058	0.0058
Absorption Rate(kg/hr)	0.7390	0.6996	0.5974	0.5805	0.5438	0.5067	0.4823	0.4449	0.4460	0.4335	0.4411	0.4620	0.3918	0.3918	0.3877

Time(minutes)	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
T, in(°C)	38.6	38.8	38.8	38.6	38.6	38.7	38.7	38.6	38.7	38.6	38.5	38.5	38.2	38.1	38.3
%RH, in(%)	59.5930	59.3552	59.5868	59.5930	59.5930	59.3582	59.3582	59.5930	59.3582	59.3612	59.5960	59.5960	59.6050	59.8410	59.6020
T, out(°C)	40.4	40.4	40.3	40.2	40.1	40	39.9	39.7	39.9	39.7	39.6	39.5	39.3	39.1	39.2
%RH, out(%)	60.6977	60.4633	60.7017	60.7057	60.4749	60.4787	60.4825	60.7251	60.2484	60.4899	60.7288	60.7326	60.7400	60.7472	60.7436
w, in(g moisture/kg dry air)	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0067	0.0066	0.0066	0.0067	0.0067	0.0067
w, out(g moisture/kg dry air)	0.0058	0.0059	0.0058	0.0059	0.0060	0.0060	0.0060	0.0060	0.0061	0.0061	0.0060	0.0060	0.0061	0.0061	0.0061
Absorption Rate(kg/hr)	0.3877	0.3631	0.3503	0.3630	0.3180	0.3262	0.3138	0.3012	0.2811	0.3016	0.3013	0.2889	0.3016	0.2563	0.2767

ตารางที่ ก 36 ผลการทดสอบสารดูดความชื้นที่ความเร็วลม 2.5 m/s อุณหภูมิ 38°C สารซิลิกาเจลจำนวน 10 แถว (ต่อ)

Time(minutes)	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
T, in(°C)	38.3	37.7	38.5	38.6	38.7	38.6	38.5	38.5	38.5	38.4	38.8	38.8	38.4	38.6	38.1
%RH, in(%)	59.8349	60.0871	59.5960	59.5930	59.3582	59.3612	59.5960	59.5960	59.5960	59.3671	59.3552	59.3552	59.3671	59.5930	59.6080
T, out(°C)	39.1	38.7	39.2	39.2	39.2	39.1	39.1	39	38.9	38.9	39	39.1	38.9	38.9	38.5
%RH, out(%)	60.7472	60.9983	60.5080	60.5080	60.5080	60.5115	60.7472	60.7508	60.7544	60.5185	60.7508	60.5115	60.5185	60.7544	61.0054
w, in(g moisture/kg dry air)	0.0066	0.0067	0.0066	0.0066	0.0066	0.0067	0.0066	0.0066	0.0066	0.0067	0.0066	0.0066	0.0067	0.0066	0.0067
w, out(g moisture/kg dry air)	0.0061	0.0062	0.0062	0.0062	0.0062	0.0062	0.0061	0.0062	0.0062	0.0063	0.0062	0.0062	0.0063	0.0062	0.0062
Absorption Rate(kg/hr)	0.2312	0.2563	0.2190	0.2065	0.2271	0.2272	0.2393	0.2269	0.2145	0.2274	0.2226	0.2022	0.2274	0.2020	0.2476

Time(minutes)	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120
T, in(°C)	38.1	38.2	38.2	38.4	38.1	38.2	38.2	38.1	38.1	38	38.3	38.3	38.2	38.3	38.4
%RH, in(%)	59.8410	59.6050	59.8380	59.5990	59.6080	59.8380	59.6050	59.8410	59.8410	60.0780	60.0687	59.8349	59.8380	59.8349	59.5990
T, out(°C)	38.6	38.5	38.5	38.7	38.4	38.4	38.6	38.3	38.4	38.3	38.4	38.4	38.4	38.5	38.5
%RH, out(%)	61.0019	61.0054	61.0054	60.9983	61.0089	61.0089	60.7649	61.0124	61.0089	61.2506	61.2470	61.2470	61.0089	61.2434	61.0054
w, in(g moisture/kg dry air)	0.0067	0.0067	0.0066	0.0067	0.0067	0.0066	0.0067	0.0067	0.0067	0.0066	0.0065	0.0066	0.0066	0.0066	0.0067
w, out(g moisture/kg dry air)	0.0062	0.0062	0.0062	0.0062	0.0063	0.0063	0.0063	0.0063	0.0063	0.0062	0.0062	0.0062	0.0063	0.0062	0.0062
Absorption Rate(kg/hr)	0.2269	0.2351	0.2019	0.2349	0.2351	0.1895	0.2148	0.1896	0.2020	0.2017	0.1766	0.2096	0.1895	0.2220	0.2100

ภาคผนวก ข

ข้อมูลผลการทดสอบกับเครื่องปรับอากาศ

ตารางที่ ข 1 แสดงข้อมูลผลการทดสอบสารดูดความชื้นกับเครื่องปรับอากาศที่อุณหภูมิอากาศขาเข้า 28°C ความเร็วลม 2.5 m/s

จำนวนแถว	อุณหภูมิอากาศออก, °C	ความดัน Evaporator , kPa	ความดัน Condenser , kPa	พลังงานที่ให้ Compressor , kW	COP	%การประหยัดพลังงาน
No Desiccant	28.5	403.38	1624.65	1.049	2.75	-
4	29	452.17	1605.67	0.962	2.85	8.26
6	29.5	455.12	1609.18	0.965	2.84	8.04
8	30	461.95	1620.27	1.033	2.78	1.53