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Appendix A

Table of Test Data Record

TABLE A-1.01 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	89.3	85.034	34.0	28.0	63.76	1.0	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	1.5	27.17	1.0	105.0	45.0	4.86	98.0	44.0	6.09

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	89.30	85.034
1	86.35	78.922
2	83.24	72.485
3	79.15	63.999
4	74.79	54.973
5	69.98	45.010
6	67.14	39.110
7	63.90	32.396
8	61.92	28.302
9	59.18	22.634
10	57.23	18.595
11	55.93	15.883
12	54.16	12.231
13	53.50	10.855
14	52.96	9.745
15	52.36	8.496
16	51.99	7.719

TABLE A-1.03 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	35.0	28.0	59.17	1.0	2242

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	1.5	13.58	2.0	105.0	45.5	5.10	99.0	44.5	6.10

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	85.05	85.034
2	78.25	70.243
4	70.33	53.023
6	63.50	38.162
8	58.51	27.307
10	54.39	18.342
12	52.25	13.686
14	49.94	8.642
16	49.46	7.617

TABLE A-1.02 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	82.21	85.034	35.0	30.0	69.72	1.0	2356.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	1.5	18.11	1.5	105.5	45.0	4.75	98.5	45.0	6.53

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	82.21	85.034
1.5	77.84	75.199
3	72.08	62.220
4.5	66.94	50.668
6	61.52	38.452
7.5	57.88	30.262
9	54.42	22.474
10.5	52.14	17.354
12	50.14	12.858
13.5	48.45	9.042
15	47.91	7.822

TABLE A-1.04 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	89.30	85.034	35.0	28.0	59.17	1.1	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	2.0	27.17	1.0	105.0	45.0	4.86	99.0	45.0	6.38

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	89.30	85.034
1	85.73	77.640
2	81.39	68.643
3	77.64	60.877
4	72.45	50.126
5	69.00	42.964
6	65.44	35.593
7	62.45	29.392
8	58.89	22.034
9	57.55	19.240
10	55.92	15.865
11	54.98	13.922
12	53.35	10.539
13	52.86	9.535
14	52.38	8.543
15	51.73	7.193
16	51.50	6.721

TABLE A-1.05 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	89.30	85.034	35.0	30.0	69.72	1.1	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	2.0	18.11	1.5	104.5	44.5	4.73	98.5	44.0	5.95

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	89.30	85.034
1.5	83.87	73.777
3	76.32	58.138
4.5	71.35	47.845
6	64.73	34.131
7.5	61.44	27.302
9	57.82	19.811
10.5	55.04	14.042
12	53.26	10.353
13.5	52.42	8.621
15	51.65	7.029

TABLE A-1.06 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	36.0	28.0	54.91	1.1	2318.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	2.0	13.58	2.0	105.0	45.0	4.86	98.5	45.0	6.53

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	85.05	85.034
2	77.29	68.16
4	69.12	50.384
6	62.21	35.356
8	56.74	23.458
10	52.88	15.049
12	50.69	10.294
14	49.59	7.883
16	48.96	6.524

TABLE A-1.07 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	89.30	85.034	35.0	27.5	56.66	1.2	2584.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	2.5	27.17	1.0	105.5	44.0	4.30	98.0	44.5	6.38

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	89.30	85.034
1	84.86	75.831
2	79.54	64.823
3	74.35	54.064
4	68.76	42.466
5	65.16	35.006
6	62.28	29.047
7	59.50	23.290
8	57.66	19.476
9	54.58	13.093
10	54.38	12.670
11	53.28	10.399
12	52.48	8.745
13	52.26	8.292
14	51.92	7.574
15	51.57	6.854
16	51.25	6.193

TABLE A-1.08 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG Consumption	Electrical Power Consumption
t	Wi	Ui	Tad	Taw	R.H.a		
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	83.63	85.034	35.0	30.0	69.72	1.2	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	2.5	18.11	1.5	106.0	44.0	4.20	99.0	44.0	5.81

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	83.63	85.034
1.5	76.91	70.173
3	70.67	56.368
4.5	63.29	40.033
6	57.42	27.035
7.5	55.23	22.208
9	52.23	15.559
10.5	50.46	11.649
12	49.53	9.578
13.5	48.04	6.293
15	48.28	6.817

TABLE A-1.09 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	35.0	27.0	54.17	1.2	2394.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	2.5	13.58	2.0	106.0	44.0	4.20	98.5	45.0	6.53

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	85.05	85.034
2	75.95	65.243
4	66.64	44.988
6	59.28	28.972
8	54.04	17.576
10	51.49	12.026
12	49.90	8.558
14	49.22	7.086
16	48.72	6.002

TABLE A-1.10 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	90.72	85.034	36.0	29.0	59.81	0.8	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	1.5	27.17	1.0	94.0	42.0	6.07	89.0	42.0	7.79

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	90.72	85.034	16	56.39	15.021
1	88.37	80.247	17	55.18	12.545
2	87.05	77.553	18	54.89	11.953
3	84.35	72.040	19	53.95	10.033
4	82.04	67.335	20	53.58	9.279
5	78.65	60.414			
6	75.57	54.147			
7	73.04	48.974			
8	69.62	42.001			
9	66.68	36.009			
10	64.26	31.067			
11	62.50	27.483			
12	60.79	23.984			
13	59.22	20.795			
14	58.21	18.736			
15	56.72	15.693			

TABLE A-1.11 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	36.0	29.0	59.81	0.8	2356.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	1.5	18.11	1.5	94.0	42.0	6.07	88.5	42.0	7.99

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	85.05	85.034
1.5	83.15	80.896
3	79.51	72.982
4.5	76.28	65.958
6	70.39	53.149
7.5	66.68	45.064
9	62.25	35.431
10.5	59.40	29.243
12	57.24	24.537
13.5	54.74	19.093
15	54.08	17.659
16.5	52.81	14.900
18	51.05	11.057
19.5	50.72	10.359

TABLE A-1.12 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	90.72	85.034	36.0	27.0	50.20	0.8	2242

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	1.5	13.58	2.0	94.5	42.5	6.23	88.5	42.5	8.37

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	90.72	85.034
2	87.21	77.879
4	82.09	67.435
6	75.76	54.535
8	70.02	42.821
10	64.80	32.171
12	60.83	24.079
14	58.10	18.505
16	56.37	14.985
18	54.87	11.919
20	53.77	9.682

TABLE A-1.13 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG Consumption	Electrical Power Consumption
t	Wi	Ui	Tad	Taw	R.H.a		
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	90.72	85.034	36.0	28.0	54.91	0.9	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	2.0	27.17	1.0	94.5	41.5	5.62	89.0	42.5	8.17

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	90.72	85.034	16	54.369	10.896
1	88.45	80.409	17	54.219	10.589
2	86.47	76.375	18	53.838	9.813
3	83.66	70.634	19	53.150	8.410
4	81.27	65.755	20	52.964	8.029
5	77.50	58.069			
6	74.73	52.431			
7	71.17	45.166			
8	68.03	38.752			
9	65.32	33.238			
10	62.65	27.776			
11	60.86	24.133			
12	59.19	20.734			
13	57.98	18.260			
14	56.39	15.012			
15	55.47	13.134			

TABLE A-1.14 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	90.72	85.034	35.0	30.0	69.72	0.9	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	2.0	18.11	1.5	94.5	41.5	5.62	88.5	42.5	8.37

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	90.72	85.034
1.5	87.66	78.807
3	83.35	70.013
4.5	78.97	61.075
6	74.30	51.543
7.5	70.21	43.198
9	64.86	32.297
10.5	61.57	25.578
12	59.72	21.808
13.5	57.56	17.395
15	55.54	13.290
16.5	54.79	11.752
18	53.12	8.355
19.5	52.82	7.729

TABLE A-1.15 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	90.72	85.034	35.5	30.0	67.26	0.8	2318.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	2.0	13.58	2.0	95.0	41.5	5.48	89.0	42.5	8.17

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	90.72	85.034
2	86.73	76.894
4	81.31	65.849
6	74.99	52.953
8	68.15	38.996
10	63.22	28.947
12	59.79	21.955
14	56.70	15.658
16	54.82	11.818
18	53.57	9.256
20	53.34	8.793

TABLE A-1.16 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	90.72	85.034	36.0	28.0	54.91	1.0	2584.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	2.5	27.17	1.0	95.0	41.5	5.48	88.5	42.5	8.37

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	90.72	85.034	16	52.511	7.106
1	88.49	80.501	17	52.370	6.819
2	86.27	75.966	18	52.183	6.437
3	83.31	69.933	19	52.078	6.222
4	80.19	63.572	20	51.979	6.021
5	76.55	56.135			
6	73.16	49.217			
7	69.10	40.948			
8	66.03	34.685			
9	62.91	28.309			
10	60.08	22.539			
11	58.75	19.831			
12	55.96	14.148			
13	55.44	13.075			
14	54.07	10.282			
15	53.69	9.505			

TABLE A-1.17 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	90.72	85.034	35.0	30.0	69.72	1.0	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	2.5	18.11	1.5	94.5	41.5	5.62	89.0	42.0	7.79

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	90.72	85.034
1.5	87.14	77.739
3	82.97	69.242
4.5	78.88	60.900
6	73.01	48.909
7.5	67.93	38.550
9	63.34	29.187
10.5	61.36	25.157
12	56.01	14.233
13.5	54.45	11.070
15	53.23	8.566
16.5	53.04	8.177
18	52.93	7.957
19.5	52.38	6.836

TABLE A-1.18 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	90.72	85.034	36.0	27.0	50.20	0.9	2394.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	2.5	13.58	2.0	95.0	41.0	5.19	89.0	42.0	7.78

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	90.72	85.034
2	85.49	74.377
4	80.11	63.404
6	70.30	43.398
8	66.57	35.783
10	60.86	24.125
12	56.58	15.408
14	53.97	10.085
16	53.24	8.587
18	52.57	7.236
20	52.37	6.824

TABLE A-1.19 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	87.88	85.034	27.5	25.0	81.86	0.8	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	1.5	27.17	1.0	84.0	38.0	6.68	78.0	38.5	9.87

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	87.88	85.034	16	60.19	26.727
1	86.94	83.041	17	58.09	22.317
2	86.21	81.512	18	56.59	19.159
3	84.52	77.949	19	55.25	16.321
4	82.95	74.653	20	53.56	12.771
5	81.13	70.818	21	52.99	11.575
6	79.45	67.291	22	52.59	10.735
7	77.46	63.085	23	52.47	10.475
8	75.82	59.635	24	52.31	10.128
9	73.81	55.412	25	52.22	9.939
10	71.29	50.109	26	52.06	9.615
11	69.44	46.212	27	51.92	9.321
12	67.75	42.656	28	51.78	9.024
13	65.72	38.362	29	51.72	8.898
14	63.90	34.542	30	51.71	8.875
15	61.80	30.128			

TABLE A-1.20 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	27.0	24.0	78.23	0.8	2356.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	1.5	18.11	1.5	84.5	38.5	6.88	78.0	39.0	10.37

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	85.05	85.034	24	50.55	9.988
1.5	83.17	80.956	25.5	50.47	9.807
3	81.41	77.126	27	50.44	9.744
4.5	79.40	72.740	28.5	50.37	9.595
6	77.45	68.508	30	50.24	9.296
7.5	74.13	61.275			
9	71.49	55.534			
10.5	68.41	48.828			
12	65.35	42.183			
13.5	62.10	35.110			
15	59.79	30.088			
16.5	58.20	26.618			
18	54.97	19.589			
19.5	52.90	15.099			
21	51.30	11.611			
22.5	50.81	10.547			

TABLE A-1.21 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG Consumption	Electrical Power Consumption
t	Wi	Ui	Tad	Taw	R.H.a		
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	96.39	85.034	28.0	25.0	78.65	0.8	2242

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	1.5	13.58	2.0	85.0	38.5	6.69	78.5	39.0	10.09

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	96.39	85.034
2	94.27	80.965
4	91.21	75.100
6	87.09	67.187
8	83.03	59.385
10	78.33	50.377
12	74.37	42.760
14	70.36	35.071
16	66.42	27.502
18	63.97	22.805
20	62.16	19.332
22	59.66	14.520
24	57.38	10.151
26	57.29	9.982
28	57.11	9.632
30	56.95	9.328

TABLE A-1.22 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg.)	(Watt)
1.5	85.05	85.034	28.0	25.0	78.65	0.8	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	2.0	27.17	1.0	85.5	38.5	6.50	78.0	39.0	10.37

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	85.05	85.034	16	56.951	23.906
1	84.16	83.097	17	55.081	19.837
2	83.06	80.705	18	53.737	16.914
3	81.09	76.426	19	52.289	13.764
4	79.51	72.994	20	50.677	10.256
5	77.51	68.641	21	50.483	9.835
6	75.56	64.399	22	50.423	9.703
7	73.65	60.242	23	50.334	9.510
8	71.46	55.470	24	50.318	9.475
9	69.59	51.402	25	50.230	9.284
10	67.66	47.203	26	49.922	8.613
11	65.29	42.058	27	49.854	8.465
12	63.60	38.366	28	49.736	8.208
13	62.22	35.375	29	49.668	8.060
14	60.09	30.733	30	49.401	7.481
15	58.64	27.588			

TABLE A-1.23 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	90.72	85.034	28.0	25.0	78.65	0.8	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	2.0	18.11	1.5	84.5	38.0	6.49	78.5	38.5	9.60

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	90.72	85.034	24	53.53	9.180
1.5	88.01	79.511	25.5	53.36	8.840
3	86.35	76.123	27	53.26	8.639
4.5	83.80	70.918	28.5	53.60	9.326
6	80.85	64.907	30	52.98	8.065
7.5	77.03	57.116			
9	74.04	51.020			
10.5	71.21	45.240			
12	68.02	38.733			
13.5	64.76	32.091			
15	61.61	25.666			
16.5	59.56	21.477			
18	57.11	16.490			
19.5	54.98	12.148			
21	53.92	9.984			
22.5	53.68	9.483			

TABLE A-1.24 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	90.17	85.034	28.0	24.0	78.23	0.8	2318

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	2.0	13.58	2.0	84.0	38.5	7.07	78.5	38.5	9.60

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	90.17	85.034
2	87.44	79.433
4	83.83	72.022
6	80.01	64.178
8	75.60	55.131
10	71.64	47.012
12	67.31	38.124
14	63.75	30.817
16	60.96	25.084
18	57.30	17.587
20	56.19	15.300
22	54.35	11.530
24	53.48	9.744
26	52.91	8.571
28	52.58	7.904
30	52.43	7.589

TABLE A-1.25 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	90.72	85.034	28.0	25.0	78.65	0.9	2584.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	2.5	27.17	1.0	85.0	38.0	6.31	78.0	38.5	9.87

Time	Weight	Moisture content	Tim	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	90.72	85.034	16	58.13	18.570
1	89.68	82.917	17	56.41	15.058
2	88.50	80.510	18	55.10	12.380
3	86.19	75.810	19	54.24	10.637
4	83.43	70.177	20	53.82	9.774
5	81.49	66.210	21	53.32	8.752
6	79.79	62.738	22	53.08	8.272
7	77.51	58.092	23	52.91	7.917
8	74.85	52.670	24	52.81	7.710
9	72.79	48.469	25	52.75	7.594
10	69.77	42.315	26	52.68	7.444
11	67.90	38.503	27	52.63	7.350
12	65.27	33.139	28	52.56	7.211
13	63.30	29.106	29	52.35	6.787
14	61.36	25.160	30	52.21	6.491
15	59.45	21.262			

TABLE A-1.26 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	87.88	85.034	28.0	25.0	78.65	0.9	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	2.5	18.11	1.5	84.0	38.0	6.68	78.0	38.5	9.87

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	87.88	85.034	24	51.14	7.674
1.5	84.82	78.591	25.5	51.05	7.480
3	83.21	75.191	27	50.90	7.163
4.5	80.69	69.892	28.5	50.77	6.896
6	77.06	62.249	30	50.38	6.070
7.5	73.57	54.897			
9	69.91	47.186			
10.5	66.67	40.381			
12	63.40	33.490			
13.5	60.76	27.922			
15	57.01	20.024			
16.5	56.13	18.173			
18	53.57	12.798			
19.5	52.07	9.636			
21	51.70	8.846			
22.5	51.54	8.520			

TABLE A-1.27 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	28.0	25.0	78.65	0.9	2394.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	2.5	13.58	2.0	84.5	38.0	6.49	78.0	39.0	10.37

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	85.05	85.034
2	82.19	78.822
4	78.58	70.969
6	74.27	61.590
8	69.48	51.159
10	65.60	42.720
12	61.60	34.027
14	57.07	24.163
16	55.21	20.117
18	52.43	14.077
20	51.27	11.539
22	49.66	8.042
24	49.34	7.347
26	49.00	6.599
28	48.87	6.317
30	48.48	5.470

TABLE A-1.28 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	93.55	85.034	34.0	29.0	69.23	0.8	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	1.5	27.17	1.0	74.0	35.0	8.48	68.0	35.5	12.98

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	93.55	85.034	16	74.93	48.194
1	93.41	84.747	17	73.80	45.959
2	92.95	83.840	18	71.06	40.553
3	92.27	82.495	19	68.96	36.392
4	91.13	80.251	20	66.87	32.253
5	90.88	79.754	21	64.49	27.544
6	89.51	77.034	22	63.03	24.663
7	88.84	75.715	23	60.76	20.171
8	87.03	72.139	24	59.25	17.192
9	85.84	69.788	25	58.37	15.455
10	84.71	67.543	26	57.12	12.981
11	84.43	66.993	27	56.03	10.813
12	81.11	60.418	28	55.79	10.345
13	79.47	57.190	29	55.59	9.955
14	78.65	55.561	30	55.58	9.923
15	77.33	52.946			

TABLE A-1.29 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	87.88	85.034	35.0	29.5	67.00	0.7	2356.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	1.5	18.11	1.5	74.0	35.5	9.00	67.0	35.5	13.80

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	87.88	85.034	24	55.84	17.578
1.5	87.49	84.210	25.5	54.55	14.858
3	86.47	82.055	27	52.98	11.556
4.5	85.74	80.521	28.5	52.49	10.520
6	84.22	77.330	30	51.92	9.315
7.5	83.02	74.799			
9	80.55	69.601			
10.5	78.72	65.743			
12	76.58	61.240			
13.5	74.61	57.094			
15	72.43	52.495			
16.5	69.27	45.845			
18	66.31	39.606			
19.5	64.15	35.069			
21	60.81	28.037			
22.5	58.56	23.300			

TABLE A-1.30 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	89.30	85.034	35.0	30.0	69.72	0.7	2242.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	1.5	13.58	2.0	75.0	35.5	8.47	67.5	35.5	13.38

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	89.30	85.034
2	88.21	82.787
4	87.01	80.296
6	85.94	78.064
8	83.72	73.483
10	82.24	70.412
12	77.76	61.123
14	74.93	55.264
16	72.33	49.864
18	67.72	40.314
20	63.60	31.786
22	60.17	24.671
24	58.20	20.600
26	56.39	16.843
28	53.55	10.950
30	53.07	9.971

TABLE A-1.31 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	34.0	29.0	69.23	0.9	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	2.0	27.17	1.0	75.0	35.0	7.97	67.5	35.0	12.70

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	85.05	85.034	16	65.38	42.241
1	84.75	84.378	17	64.28	39.850
2	84.12	83.023	18	62.37	35.703
3	83.19	81.003	19	60.84	32.361
4	82.28	79.014	20	59.08	28.545
5	81.92	78.221	21	57.52	25.154
6	80.67	75.507	22	55.44	20.623
7	79.47	72.895	23	54.55	18.684
8	78.20	70.140	24	53.15	15.645
9	76.95	67.422	25	52.37	13.943
10	74.95	63.059	26	50.93	10.797
11	73.20	59.257	27	50.42	9.691
12	71.64	55.856	28	50.21	9.243
13	70.69	53.789	29	50.01	8.805
14	69.71	51.655	30	49.67	8.068
15	67.75	47.393			

TABLE A-1.32 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	36.5	30.5	65.17	0.8	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	2.0	18.11	1.5	75.5	35.0	7.72	68.0	35.0	12.31

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	85.05	85.034	24	53.13	15.593
1.5	84.51	83.855	25.5	51.76	12.622
3	83.51	81.690	27	50.90	10.732
4.5	82.30	79.055	28.5	50.48	9.818
6	79.99	74.041	30	50.12	9.052
7.5	78.91	71.691			
9	77.15	67.857			
10.5	74.70	62.519			
12	72.25	57.193			
13.5	70.60	53.594			
15	68.28	48.545			
16.5	64.71	40.783			
18	62.45	35.881			
19.5	60.09	30.734			
21	57.08	24.186			
22.5	54.42	18.397			

TABLE A-1.33 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	35.0	30.0	69.72	0.8	2318.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	2.0	13.58	2.0	75.0	35.0	7.97	68.0	35.0	12.31

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	85.05	85.034
2	83.56	81.809
4	82.35	79.160
6	80.44	75.005
8	78.15	70.039
10	75.95	65.247
12	72.49	57.708
14	69.09	50.308
16	66.98	45.716
18	62.43	35.817
20	59.75	30.000
22	57.13	24.300
24	55.02	19.700
26	53.32	16.000
28	51.48	12.000
30	50.22	9.264

TABLE A-1.34 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	80.80	85.034	36.5	30.5	65.17	0.9	2584.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	2.5	27.17	1.0	75.0	34.5	7.48	6.8	35.5	12.98

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	80.80	85.034	16	60.20	37.860
1	79.98	83.175	17	57.97	32.759
2	79.45	81.959	18	56.15	28.604
3	78.24	79.188	19	54.59	25.016
4	78.06	78.771	20	53.06	21.521
5	75.76	73.506	21	51.88	18.816
6	74.25	70.055	22	50.53	15.711
7	74.05	69.581	23	49.32	12.959
8	72.38	65.771	24	48.17	10.320
9	71.06	62.729	25	47.83	9.531
10	69.26	58.617	26	47.57	8.941
11	67.00	53.442	27	47.31	8.348
12	65.52	50.050	28	47.05	7.749
13	64.78	48.364	29	46.79	7.154
14	62.93	44.116	30	46.41	6.280
15	61.37	40.551			

TABLE A-1.35 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	36.0	31.0	70.19	0.8	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	2.5	18.11	1.5	74.5	34.0	7.24	67.5	35.0	12.70

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	85.05	85.034	24	51.07	11.112
1.5	83.91	82.555	25.5	50.38	9.621
3	82.44	79.353	27	50.23	9.291
4.5	81.04	76.308	28.5	50.10	8.997
6	78.90	71.663	30	49.77	8.288
7.5	76.92	67.348			
9	75.26	63.736			
10.5	71.89	56.403			
12	69.56	51.334			
13.5	67.30	46.426			
15	65.12	41.673			
16.5	62.26	35.449			
18	59.16	28.719			
19.5	56.76	23.494			
21	54.41	18.387			
22.5	52.12	13.402			

TABLE A-1.36 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	90.72	85.034	36.0	30.0	64.90	0.8	2394.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	2.5	13.58	2.0	74.5	34.0	7.24	68.0	35.5	12.98

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	90.72	85.034
2	88.12	79.744
4	86.99	77.427
6	83.60	70.520
8	81.27	65.759
10	76.99	57.044
12	74.67	52.308
14	71.28	45.394
16	67.45	37.574
18	63.33	29.163
20	59.25	20.860
22	56.45	15.139
24	54.06	10.267
26	53.02	8.152
28	53.21	8.527
30	52.65	7.381

TABLE A-1.37 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	92.13	85.034	29.0	26.0	79.06	0.7	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	1.5	27.17	1.0	64.0	32.0	11.30	58.0	32.5	17.94

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	92.13	85.034	16	78.60	57.853
1	91.87	84.511	17	77.15	54.944
2	91.67	84.112	18	73.82	48.247
3	91.55	83.854	19	72.50	45.609
4	91.25	83.257	20	70.53	41.641
5	91.10	82.957	21	69.33	39.230
6	90.86	82.471	22	67.67	35.894
7	90.62	81.985	23	65.43	31.409
8	89.61	79.959	24	63.98	28.499
9	89.08	78.897	25	62.15	24.823
10	87.26	75.253	26	60.49	21.492
11	85.80	72.317	27	59.40	19.293
12	84.36	69.419	28	57.68	15.836
13	83.48	67.655	29	56.44	13.356
14	81.22	63.119	30	55.05	10.557
15	78.97	58.603			

TABLE A-1.38 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	34.0	29.0	69.23	0.7	2356.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	1.5	18.11	1.5	64.0	32.5	12.01	58.5	32.5	17.35

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	85.05	85.034	24	58.02	26.225
1.5	85.45	85.900	25.5	57.22	24.488
3	84.77	84.440	27	54.34	18.223
4.5	84.46	83.761	28.5	53.08	15.481
6	83.51	81.681	30	50.96	10.869
7.5	82.97	80.523			
9	82.20	78.846			
10.5	80.41	74.955			
12	77.98	69.651			
13.5	76.03	65.420			
15	74.00	60.993			
16.5	72.15	56.985			
18	68.22	48.423			
19.5	66.29	44.225			
21	64.19	39.647			
22.5	61.73	34.300			

TABLE A-1.39 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	27.0	25.0	85.21	0.7	2242.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	1.5	13.58	2.0	64.5	32.5	11.61	58.5	32.5	17.35

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	85.05	85.034
2	84.64	84.159
4	84.35	83.516
6	83.99	82.740
8	82.67	79.853
10	80.78	75.741
12	77.50	68.617
14	74.79	62.712
16	72.12	56.905
18	69.07	50.281
20	65.61	42.755
22	62.12	35.156
24	59.04	28.442
26	55.62	21.000
28	52.73	14.714
30	51.01	10.979

TABLE A-1.40 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG Consumption	Electrical Power Consumption
t	Wi	Ui	Tad	Taw	R.H.a		
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	28.0	25.0	78.65	0.7	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	2.0	27.17	1.0	64.5	32.0	10.92	58.0	33.0	18.89

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	85.05	85.034	16	70.40	53.158
1	84.73	84.353	17	68.67	49.398
2	84.26	83.314	18	66.52	44.730
3	83.65	82.000	19	65.01	41.441
4	83.52	81.707	20	63.13	37.357
5	83.24	81.109	21	61.48	33.770
6	83.08	80.749	22	58.75	27.816
7	81.70	77.753	23	57.43	24.950
8	80.76	75.708	24	56.19	22.244
9	79.19	72.293	25	54.88	19.399
10	78.39	70.542	26	53.32	16.007
11	77.05	67.638	27	52.46	14.125
12	74.99	63.146	28	51.53	12.119
13	74.21	61.446	29	51.26	11.520
14	72.81	58.418	30	50.50	9.862
15	71.93	56.498			

TABLE A-1.41 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	92.13	85.034	27.0	25.0	85.21	0.7	2432

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	2.0	18.11	1.5	65.0	32.5	11.23	58.0	33.0	18.89

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	92.13	85.034	24	61.62	23.746
1.5	91.62	83.993	25.5	59.08	18.657
3	89.93	80.610	27	57.21	14.886
4.5	89.58	79.910	28.5	55.71	11.889
6	89.10	78.940	30	54.85	10.147
7.5	87.60	75.921			
9	86.87	74.453			
10.5	83.81	68.320			
12	82.37	65.417			
13.5	80.10	60.858			
15	77.40	55.451			
16.5	74.74	50.108			
18	72.33	45.252			
19.5	69.42	39.411			
21	65.94	32.431			
22.5	63.41	27.356			

TABLE A-1.42 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	80.80	85.034	27.0	25.0	85.21	0.7	2318.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	2.0	13.58	2.0	64.0	32.0	11.30	58.0	32.5	17.94

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	80.80	85.034
2	80.26	83.807
4	79.60	82.305
6	78.46	79.697
8	76.64	75.523
10	74.52	70.672
12	71.91	64.688
14	69.57	59.316
16	66.42	52.114
18	63.39	45.176
20	59.26	35.715
22	56.19	28.694
24	53.54	22.620
26	50.47	15.591
28	48.85	11.875
30	48.09	10.142

TABLE A-1.43 TEST DATA RECORD

Sample properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	93.55	85.034	30.0	27.0	79.44	0.8	2584.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	2.5	27.17	1.0	65.0	32.0	10.55	58.5	33.0	18.28

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	93.55	85.034	16	74.88	48.106
1	92.90	83.746	17	72.94	44.271
2	91.74	81.450	18	70.96	40.341
3	91.42	80.813	19	69.09	36.661
4	90.93	79.857	20	66.39	31.314
5	90.35	78.696	21	65.94	30.430
6	89.45	76.917	22	63.65	25.896
7	87.35	72.761	23	61.86	22.350
8	85.80	69.700	24	60.23	19.135
9	85.06	68.240	25	58.54	15.792
10	83.02	64.209	26	56.82	12.390
11	81.51	61.208	27	56.60	11.950
12	81.19	60.588	28	55.73	10.234
13	79.02	56.293	29	55.08	8.940
14	77.41	53.110	30	54.26	7.318
15	75.30	48.943			

TABLE A-1.44 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	34.0	29.0	69.23	0.8	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	2.5	18.11	1.5	65.0	32.5	11.23	58.5	32.5	17.35

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	85.05	85.034	24	53.70	16.840
1.5	83.86	82.454	25.5	53.02	15.360
3	82.44	79.357	27	51.44	11.919
4.5	81.51	77.336	28.5	50.20	9.208
6	80.77	75.723	30	50.10	9.010
7.5	78.92	71.695			
9	76.35	66.118			
10.5	75.96	65.264			
12	72.76	58.295			
13.5	71.36	55.246			
15	69.39	50.978			
16.5	67.54	46.940			
18	64.01	39.273			
19.5	62.02	34.942			
21	59.75	29.993			
22.5	56.93	23.861			

TABLE A-1.45 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
1.5	85.05	85.034	34.0	29.0	69.23	0.7	2394.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	2.5	13.58	2.0	65.0	32.5	11.23	58.5	33.0	18.28

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	85.05	85.034
2	83.35	81.350
4	82.80	80.140
6	80.29	74.695
8	78.59	70.988
10	76.07	65.505
12	72.71	58.197
14	70.44	53.254
16	67.76	47.417
18	64.26	39.803
20	60.39	31.385
22	57.45	24.990
24	55.24	20.191
26	52.66	14.579
28	50.32	9.477
30	49.83	8.416

TABLE A-2.01 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	110.561	85.034	34	28	63.76	1.3	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	1.5	27.17	1.0	104.0	44.0	4.61	98	44.5	6.38

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	110.56	85.034
1	109.68	83.567
2	107.40	79.736
3	103.54	73.282
4	100.72	68.562
5	97.21	62.687
6	93.51	56.504
7	89.67	50.066
8	86.52	44.792
9	82.28	37.699
10	79.38	32.845
11	76.54	28.100
12	73.67	23.296
13	71.12	19.020
14	69.80	16.809
15	67.16	12.403
16	65.53	9.678

TABLE A-2.02 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	104.891	85.034	36.0	30.0	64.90	1.3	2356.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	1.5	18.11	1.5	104.0	44.0	4.61	98.0	44.5	6.38

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	104.89	85.034
1.5	102.34	80.541
3	97.86	72.638
4.5	93.55	65.030
6	89.73	58.283
7.5	83.45	47.203
9	79.87	40.900
10.5	74.15	30.810
12	68.88	21.516
13.5	65.82	16.116
15	63.26	11.594

TABLE A-2.03 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	104.891	85.034	35.0	28.0	59.17	1.2	2242.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	1.5	13.58	2.0	105.0	45.0	4.86	98.5	44.5	6.53

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	104.89	85.034
2	100.46	77.223
4	95.30	68.112
6	89.33	57.592
8	81.84	44.378
10	75.76	33.648
12	69.73	23.005
14	65.05	14.755
16	62.75	10.690

TABLE A-2.04 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	104.891	85.034	34	28	63.76	1.3	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	2.0	27.17	1.0	105.0	44.0	4.4	98.0	45.0	6.68

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	104.89	85.034
1	102.95	81.616
2	100.64	77.541
3	97.02	71.143
4	93.83	65.518
5	90.37	59.412
6	85.82	51.398
7	82.85	46.150
8	79.64	40.495
9	75.96	33.993
10	71.49	26.112
11	70.30	24.007
12	67.77	19.554
13	65.25	15.109
14	62.96	11.072
15	61.36	8.236
16	60.67	7.017

TABLE A-2.05 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	34.0	28.0	63.78	1.3	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	2.0	18.11	1.5	104.5	44.0	4.50	98.5	45.0	6.53

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	107.73	85.034
1.5	104.51	79.506
3	99.22	70.426
4.5	93.55	60.687
6	90.72	55.818
7.5	83.49	43.403
9	78.39	34.654
10.5	73.48	26.216
12	69.35	19.117
13.5	65.52	12.543
15	63.46	9.005

TABLE A-2.06 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	34.0	28.0	63.76	1.3	2318.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	2.0	13.58	2.0	104.5	44.5	4.73	98.0	45.0	6.68

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	107.73	85.034
2	102.06	75.295
4	96.39	65.557
6	90.72	55.818
8	81.88	40.635
10	75.35	29.419
12	70.00	20.227
14	65.55	12.594
16	63.05	8.303

TABLE A-2.07 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	110.561	85.034	34	28	63.76	1.4	2584.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	2.5	27.17	1.0	105.5	44.0	4.3	98.5	44.5	6.53

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	110.56	85.034
1	107.08	79.212
2	104.67	75.167
3	99.96	67.292
4	95.68	60.125
5	91.06	52.397
6	87.63	46.657
7	83.90	40.411
8	80.42	34.585
9	76.54	28.100
10	73.71	23.356
11	70.87	18.612
12	68.71	14.995
13	67.06	12.234
14	65.38	9.418
15	64.28	7.582
16	63.48	6.241

TABLE A-2.08 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	34.0	28.0	63.78	1.4	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	2.5	18.11	1.5	105.0	44.5	4.63	98.0	44.5	6.38

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	107.73	85.034
1.5	103.01	76.938
3	97.98	68.295
4.5	91.04	56.365
6	85.32	46.553
7.5	79.06	35.792
9	75.05	28.903
10.5	71.26	22.391
12	67.31	15.616
13.5	64.60	10.965
15	63.29	8.704

TABLE A-2.09 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	109.144	85.034	34.0	28.0	63.76	1.3	2394.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
100.0	2.5	13.58	2.0	105.0	44.5	4.63	98.0	45.0	6.68

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	109.14	85.034
2	102.06	73.019
4	93.55	58.601
6	85.05	44.182
8	79.38	34.570
10	73.71	24.958
12	68.04	15.346
14	65.20	10.540
16	62.96	6.734

TABLE A-2.10 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	28	25	78.65	1.1	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	1.5	27.17	1.0	95.0	43.0	6.38	89.0	43.5	8.94

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	107.73	85.034	16	70.21	20.590
1	107.00	83.791	17	68.29	17.292
2	105.24	80.759	18	66.40	14.054
3	104.14	78.881	19	65.47	12.450
4	101.93	75.086	20	64.75	11.217
5	100.57	72.751			
6	98.91	69.897			
7	94.54	62.392			
8	92.79	59.375			
9	90.53	55.499			
10	86.77	49.044			
11	84.93	45.878			
12	80.79	38.776			
13	78.04	34.042			
14	74.14	27.352			
15	71.43	22.699			

TABLE A-2.11 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	104.891	85.034	29.0	26.0	79.06	1.1	2356.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	1.5	18.11	1.5	95.5	43.0	6.23	88.5	43.0	8.76

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	104.89	85.034
1.5	103.91	83.303
3	101.71	79.417
4.5	99.88	76.197
6	96.86	70.859
7.5	93.42	64.806
9	88.33	55.827
10.5	82.75	45.974
12	79.01	39.387
13.5	73.71	30.024
15	70.87	25.023
16.5	66.61	17.499
18	64.71	14.155
19.5	63.43	11.891

TABLE A-2.12 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG Consumption	Electrical Power Consumption
t	Wi	Ui	Tad	Taw	R.H.a		
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	104.891	85.034	27.5	25.0	81.86	1.1	2242.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	1.5	13.58	2.0	95.5	43.0	6.23	88.5	43.5	9.16

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	104.89	85.034
2	103.06	81.800
4	99.20	75.001
6	96.64	70.486
8	90.89	60.339
10	84.02	48.216
12	77.18	36.151
14	72.29	27.523
16	68.25	20.396
18	64.14	13.141
20	62.70	10.599

TABLE A-2.13 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	102.056	85.034	28	26	85.5	1.2	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	2.0	27.17	1.0	95.5	43.0	6.23	88.0	43.5	9.38

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	102.06	85.034	16	9.547	17.309
1	100.66	82.511	17	7.348	13.323
2	99.18	79.812	18	6.284	11.393
3	96.53	75.009	19	5.764	10.451
4	95.30	72.789	20	5.252	9.522
5	92.93	68.479			
6	91.17	65.289			
7	89.18	61.685			
8	85.00	54.105			
9	83.81	51.953			
10	79.85	44.767			
11	77.58	40.655			
12	73.49	33.238			
13	70.66	28.118			
14	67.36	22.127			
15	66.02	19.692			

TABLE A-2.14 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	99.22	85.034	29.0	26.0	79.06	1.1	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	2.0	18.11	1.5	95.5	43.5	6.54	88.5	44.0	9.57

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	99.22	85.034
1.5	96.63	80.192
3	94.55	76.325
4.5	91.23	70.123
6	87.03	62.306
7.5	84.87	58.276
9	81.33	51.676
10.5	76.90	43.409
12	72.23	34.704
13.5	68.04	26.880
15	65.18	21.549
16.5	61.46	14.608
18	60.52	12.857
19.5	58.60	9.288

TABLE A-2.15 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG Consumption	Electrical Power Consumption
t	Wi	Ui	Tad	Taw	R.H.a		
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	99.22	85.034	29.0	26.0	79.06	1.1	2318.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	2.0	13.58	2.0	95.0	43.5	6.70	88.5	43.5	9.16

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	99.22	85.034
2	43.01	80.215
4	39.74	74.108
6	33.93	63.281
8	29.00	54.083
10	23.12	43.117
12	18.12	33.797
14	13.00	24.237
16	10.16	18.950
18	5.89	10.981
20	5.11	9.523

TABLE A-2.16 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	96.39	85.034	30	27	79.44	1.2	2584.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	2.5	27.17	1.0	95.5	43.5	5.93	88.5	44.0	9.57

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	96.39	85.034	16	58.48	12.262
1	94.42	81.258	17	58.21	11.741
2	92.44	77.451	18	56.97	9.361
3	90.27	73.297	19	56.67	8.793
4	87.54	68.055	20	56.05	7.602
5	85.02	63.220			
6	83.24	59.798			
7	80.72	54.959			
8	77.87	49.491			
9	74.62	43.242			
10	72.10	38.407			
11	68.92	32.308			
12	65.74	26.197			
13	63.21	21.352			
14	61.76	18.558			
15	59.69	14.591			

TABLE A-2.17 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	110.516	85.034	32.5	28.0	71.33	1.2	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	2.5	18.11	1.5	95.5	43.5	5.93	88.0	43.0	8.98

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	110.52	85.034
1.5	107.40	79.810
3	103.65	73.542
4.5	100.08	67.556
6	95.69	60.205
7.5	90.55	51.605
9	84.85	42.055
10.5	80.78	35.242
12	75.88	27.049
13.5	72.44	21.289
15	68.01	13.867
16.5	66.59	11.495
18	65.18	9.123
19.5	64.80	8.495

TABLE A-2.18 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	96.39	85.034	30.0	27.0	79.44	1.2	2394.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
90.0	2.5	13.58	2.0	95.5	43.0	6.23	88.5	43.5	9.16

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	96.39	85.034
2	93.01	78.552
4	88.60	70.086
6	82.39	58.160
8	76.82	47.476
10	70.87	36.053
12	66.58	27.819
14	61.53	18.121
16	58.82	12.922
18	56.58	8.618
20	56.03	7.554

TABLE A-2.19 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	104.891	85.034	32.5	28	71.33	1.1	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	1.5	27.17	1.0	84.0	39.0	7.47	78.0	39.5	10.89

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	104.89	85.034	16	76.20	34.423
1	104.75	84.782	17	75.08	32.443
2	103.77	83.052	18	72.25	27.455
3	103.66	82.859	19	70.68	24.689
4	103.00	81.698	20	68.79	21.345
5	101.92	79.799	21	67.43	18.954
6	100.45	77.203	22	65.20	15.021
7	99.26	75.100	23	65.03	14.718
8	97.34	71.715	24	63.82	12.577
9	95.43	68.353	25	63.67	12.313
10	93.19	64.401	26	63.49	12.006
11	91.10	60.699	27	63.05	11.228
12	88.35	55.846	28	63.04	11.204
13	85.44	50.715	29	62.99	11.117
14	81.95	44.556	30	62.90	10.954
15	80.45	41.914			

TABLE A-2.20 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	102.056	85.034	35.0	29.0	64.34	1.0	2356.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	1.5	18.11	1.5	84.0	39.0	7.47	78.0	39.0	10.37

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	102.06	85.034	24	101.90	12.094
1.5	101.90	84.755	25.5	100.85	11.668
3	100.85	82.849	27	99.48	11.319
4.5	99.48	80.355	28.5	98.10	10.717
6	98.10	77.857	30	96.48	10.506
7.5	96.48	74.923			
9	92.65	67.984			
10.5	89.51	62.285			
12	85.85	55.647			
13.5	82.71	49.956			
15	77.40	40.338			
16.5	74.77	35.564			
18	69.62	26.221			
19.5	67.41	22.219			
21	65.93	19.543			
22.5	64.26	16.511			

TABLE A-2.21 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	110.561	85.034	34.0	28.0	63.76	1.0	2242.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	1.5	13.58	2.0	84.5	39.5	7.66	78.5	39.5	9.60

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	110.56	85.03
2	110.21	84.44
4	109.02	82.45
6	105.85	77.14
8	104.51	74.91
10	97.48	63.15
12	92.80	55.31
14	88.09	47.42
16	81.84	36.97
18	76.54	28.10
20	73.71	23.36
22	70.87	18.61
24	66.96	12.06
26	66.77	11.74
28	66.51	11.31
30	66.20	10.79

TABLE A-2.22 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	110.561	85.034	34.5	28	61.42	1.1	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	2.0	27.17	1.0	85.0	39.0	7.07	77.5	39.5	11.18

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	110.56	85.034	16	76.90	28.692
1	110.32	84.630	17	74.15	24.103
2	109.39	83.069	18	71.47	19.618
3	108.04	80.814	19	70.70	18.316
4	107.27	79.519	20	69.98	17.117
5	105.59	76.718	21	69.15	15.733
6	104.03	74.096	22	66.72	11.670
7	101.94	70.608	23	66.03	10.510
8	101.51	69.881	24	65.53	9.671
9	98.64	65.083	25	65.29	9.266
10	96.05	60.742	26	65.13	8.997
11	92.74	55.206	27	65.09	8.927
12	89.81	50.308	28	65.08	8.909
13	86.65	45.012	29	65.02	8.811
14	83.00	38.908	30	65.04	8.850
15	79.76	33.493			

TABLE A-2.23 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	35.0	29.5	67.00	1.0	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	2.0	18.11	1.5	84.5	39.5	7.66	78.0	39.0	10.37

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	107.73	85.034	24	64.14	10.177
1.5	107.06	83.893	25.5	63.82	9.612
3	105.54	81.286	27	63.62	9.275
4.5	104.01	78.655	28.5	63.29	8.717
6	102.44	75.955	30	63.23	8.599
7.5	99.35	70.642			
9	95.35	63.776			
10.5	92.20	58.359			
12	87.46	50.219			
13.5	83.43	43.302			
15	78.90	35.520			
16.5	75.22	29.204			
18	70.97	21.906			
19.5	69.11	18.699			
21	66.98	15.050			
22.5	64.45	10.699			

TABLE A-2.24 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	35.0	29.5	67.00	1.0	2318.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	2.0	13.58	2.0	85.5	39.5	7.26	78.0	39.0	10.37

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	107.73	85.03
2	106.60	83.10
4	104.79	79.98
6	102.35	75.80
8	98.61	69.38
10	92.48	58.85
12	87.65	50.55
14	80.76	38.72
16	74.65	28.22
18	72.27	24.13
20	69.01	18.53
22	65.25	12.08
24	64.25	10.36
26	64.01	9.95
28	63.84	9.66
30	63.60	9.25

TABLE A-2.25 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	104.891	85.034	28	25	78.65	1.2	2584.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	2.5	27.2	1.0	85.5	39.0	6.88	77.5	39.0	10.66

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	104.89	85.034	16	69.42	22.453
1	104.04	83.530	17	68.39	20.649
2	102.73	81.216	18	65.20	15.021
3	101.84	79.658	19	63.79	12.521
4	99.78	76.020	20	63.50	12.013
5	98.98	74.606	21	63.03	11.193
6	96.36	69.982	22	62.13	9.600
7	93.68	65.261	23	61.59	8.642
8	91.84	62.005	24	61.45	8.394
9	88.28	55.734	25	60.95	7.520
10	85.91	51.546	26	60.95	7.520
11	82.21	45.017	27	60.66	7.011
12	79.42	40.106	28	60.49	6.707
13	76.86	35.592	29	60.33	6.428
14	73.24	29.208	30	59.53	5.019
15	71.94	26.903			

TABLE A-2.26 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	106.309	85.034	28.0	25.0	78.65	1.2	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	2.5	18.11	1.5	85.0	39.0	7.07	77.5	39.0	10.66

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	106.31	85.034	24	62.145	8.166
1.5	104.87	82.537	25.5	61.749	7.476
3	103.46	80.077	27	61.640	7.287
4.5	100.95	75.710	28.5	61.473	6.996
6	99.38	72.973	30	61.309	6.711
7.5	92.96	61.793			
9	89.65	56.043			
10.5	86.52	50.592			
12	80.50	40.114			
13.5	77.45	34.803			
15	72.63	26.415			
16.5	69.47	20.923			
18	66.12	15.082			
19.5	65.22	13.518			
21	63.36	10.282			
22.5	62.47	8.724			

TABLE A-2.27 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	29.0	26.5	82.38	1.1	2394.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
80.0	2.5	13.56	2.0	85.5	39.5	7.26	78.0	39.5	10.89

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	107.73	85.03
2	105.11	80.54
4	103.48	77.75
6	98.81	69.72
8	95.21	63.53
10	87.65	50.55
12	81.85	40.59
14	76.51	31.41
16	71.17	22.25
18	68.85	18.26
20	66.37	14.01
22	63.78	9.56
24	63.38	8.87
26	62.79	7.84
28	62.35	7.10
30	61.92	6.36

TABLE A-2.28 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	104.891	85.034	35	29.5	67.00	0.9	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	1.5	27.2	1.0	73.0	35.0	9.03	68.0	35.0	12.31

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	104.89	85.034	16	87.35	54.085
1	104.67	84.646	17	85.54	50.900
2	104.47	84.296	18	82.94	46.306
3	104.24	83.882	19	80.92	42.751
4	103.26	82.149	20	78.62	38.684
5	102.84	81.417	21	75.99	34.044
6	102.13	80.156	22	73.89	30.353
7	101.20	78.523	23	73.03	28.827
8	100.86	77.920	24	70.38	24.157
9	99.60	75.704	25	69.64	22.842
10	98.92	74.494	26	68.31	20.498
11	96.76	70.695	27	66.73	17.708
12	94.46	66.636	28	65.70	15.898
13	93.85	65.559	29	64.20	13.257
14	92.82	63.734	30	63.62	12.221
15	90.27	59.249			

TABLE A-2.29 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG Consumption	Electrical Power Consumption
t	Wi	Ui	Tad	Taw	R.H.a		
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	35.0	29.5	67.00	0.8	2356.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	1.5	18.11	1.5	73.0	35.5	9.57	68.0	35.0	12.31

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	107.73	85.034	24	73.85	26.848
1.5	107.69	84.970	25.5	71.52	22.842
3	107.01	83.796	27	68.85	18.252
4.5	106.22	82.450	28.5	67.88	16.595
6	105.33	80.924	30	66.74	14.638
7.5	103.69	78.105			
9	102.46	75.995			
10.5	99.50	70.910			
12	97.18	66.920			
13.5	94.35	62.055			
15	90.85	56.052			
16.5	87.86	50.919			
18	84.04	44.343			
19.5	81.68	40.301			
21	79.65	36.816			
22.5	75.95	30.454			

TABLE A-2.30 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	35.0	29.0	64.34	0.8	2242.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	1.5	13.58	2.0	73.5	35.0	8.75	68.5	35.5	12.59

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	107.73	85.034
2	107.71	85.000
4	107.28	84.275
6	105.58	81.342
8	103.39	77.588
10	101.52	74.373
12	98.12	68.533
14	93.81	61.129
16	91.02	56.340
18	86.17	48.001
20	82.69	42.037
22	78.16	34.249
24	74.53	28.019
26	71.21	22.319
28	67.73	16.334
30	65.75	12.930

TABLE A-2.31 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG Consumption	Electrical Power Consumption
t	Wi	Ui	Tad	Taw	R.H.a		
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	34	30	74.91	0.9	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	2.0	27.17	1.0	73.0	34.0	7.98	68.0	35.0	12.31

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	107.73	85.034	16	85.93	47.594
1	107.44	84.540	17	83.98	44.254
2	106.87	83.558	18	81.71	40.355
3	106.39	82.742	19	80.66	38.540
4	105.56	81.316	20	78.16	34.253
5	105.08	80.492	21	76.47	31.349
6	104.09	78.783	22	74.75	28.395
7	102.49	76.033	23	72.84	25.105
8	101.65	74.593	24	71.45	22.731
9	100.68	72.938	25	70.24	20.652
10	98.36	68.953	26	69.11	18.700
11	95.50	64.034	27	67.61	16.136
12	93.23	60.140	28	67.17	15.375
13	91.90	57.846	29	65.57	12.624
14	90.19	54.921	30	65.12	11.856
15	87.70	50.639			

TABLE A-2.32 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	35.0	29.5	67.00	0.8	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	2.0	18.11	1.5	73.0	34.5	8.50	68.0	35.0	12.31

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	107.73	85.034	24	70.409	20.937
1.5	107.01	83.803	25.5	68.019	16.831
3	105.97	82.016	27	65.880	13.157
4.5	105.12	80.558	28.5	65.161	11.922
6	104.38	79.289	30	64.237	10.336
7.5	102.72	76.440			
9	100.10	71.942			
10.5	98.13	68.550			
12	94.54	62.393			
13.5	92.14	58.259			
15	88.81	52.550			
16.5	85.37	46.634			
18	83.05	42.643			
19.5	79.30	36.216			
21	75.72	30.059			
22.5	72.80	25.043			

TABLE A-2.33 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	36.0	30.0	64.90	0.8	2318.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	2.0	13.58	2.0	73.5	35.0	8.75	68.0	35.5	12.98

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	107.73	85.034
2	107.21	84.144
4	106.13	82.297
6	103.91	78.478
8	101.44	74.243
10	98.35	68.938
12	95.85	64.630
14	90.87	56.081
16	87.36	50.053
18	83.45	43.336
20	79.61	36.734
22	77.33	32.824
24	73.62	26.453
26	71.15	22.218
28	67.63	16.159
30	64.83	11.355

TABLE A-2.34 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	34	30	74.91	1.0	2584.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	2.5	27.17	1.0	74.0	34.0	7.48	68.5	35.0	11.94

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	107.73	85.034	16	84.416	44.996
1	106.72	83.303	17	81.938	40.740
2	106.53	82.980	18	79.269	36.155
3	105.21	80.719	19	77.325	32.816
4	104.92	80.217	20	74.696	28.300
5	104.16	78.913	21	73.867	26.877
6	102.73	76.448	22	72.086	23.818
7	101.61	74.526	23	70.217	20.608
8	100.72	72.993	24	68.810	18.190
9	98.94	69.940	25	67.861	16.560
10	95.76	64.486	26	66.927	14.957
11	93.63	60.830	27	65.584	12.649
12	91.81	57.700	28	64.924	11.516
13	90.07	54.704	29	64.483	10.759
14	87.48	50.253	30	64.045	10.006
15	85.82	47.400			

TABLE A-2.35 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	35.0	27.0	54.17	0.9	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	2.5	18.11	1.5	74.0	34.0	7.48	68.0	35.0	12.31

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	107.73	85.034	24	64.689	11.112
1.5	106.28	82.555	25.5	63.821	9.621
3	104.42	79.353	27	63.629	9.291
4.5	102.65	76.308	28.5	63.458	8.997
6	99.94	71.663	30	63.045	8.288
7.5	97.43	67.348			
9	95.33	63.736			
10.5	91.06	56.403			
12	88.11	51.334			
13.5	85.25	46.426			
15	82.48	41.673			
16.5	78.86	35.449			
18	74.94	28.719			
19.5	71.90	23.494			
21	68.92	18.387			
22.5	66.02	13.402			

TABLE A-2.36 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG Consumption	Electrical Power Consumption
t	Wi	Ui	Tad	Taw	R.H.a		
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	34.0	30.0	74.91	0.9	2394.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
70.0	2.5	13.58	2.0	74.5	34.5	7.98	68.0	35.5	12.98

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	107.73	85.034
2	106.50	82.925
4	103.69	78.096
6	101.60	74.510
8	99.33	70.614
10	95.74	64.454
12	91.08	56.441
14	88.34	51.740
16	83.90	44.114
18	79.54	36.625
20	74.52	28.002
22	70.21	20.602
24	67.57	16.065
26	66.37	14.000
28	64.86	11.400
30	64.11	10.125

TABLE A-2.37 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG Consumption	Electrical Power Consumption
t	Wi	Ui	Tad	Taw	R.H.a		
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	102.056	85.034	28	25	78.65	0.9	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	1.5	27.2	1.0	64.0	32.5	12.01	58.0	33.0	18.89

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	102.06	85.034	16	88.553	60.552
1	102.06	85.034	17	87.482	58.610
2	102.04	85.000	18	84.936	53.995
3	101.82	84.610	19	82.997	50.479
4	101.43	83.907	20	81.711	48.148
5	101.13	83.356	21	79.467	44.078
6	100.49	82.194	22	77.704	40.883
7	100.02	81.351	23	75.472	36.836
8	99.56	80.517	24	73.740	33.695
9	98.09	77.841	25	71.963	30.474
10	97.54	76.854	26	69.896	26.725
11	95.71	73.529	27	67.836	22.991
12	94.37	71.099	28	65.849	19.389
13	93.41	69.361	29	64.053	16.133
14	92.27	67.297	30	62.670	13.624
15	90.23	63.601			

TABLE A-2.38 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	110.561	85.034	29.0	26.0	79.06	0.9	2356.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	1.5	18.11	1.50	64.0	32.5	12.01	57.5	32.5	18.54

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	110.56	85.034	24	78.60	31.538
1.5	110.37	84.715	25.5	76.98	28.840
3	110.03	84.146	27	73.86	23.612
4.5	109.94	83.995	28.5	70.65	18.239
6	109.37	83.037	30	68.06	13.902
7.5	109.11	82.601			
9	107.97	80.698			
10.5	106.49	78.214			
12	104.17	74.337			
13.5	101.91	70.558			
15	99.67	66.812			
16.5	96.33	61.210			
18	92.75	55.229			
19.5	88.50	48.110			
21	86.07	44.040			
22.5	82.76	38.503			

TABLE A-2.39 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG Consumption	Electrical Power Consumption
t	Wi	Ui	Tad	Taw	R.H.a		
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	27.0	25.0	85.21	0.9	2342.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	1.5	13.58	2.0	64.5	32.5	11.61	57.5	33.0	19.52

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	107.73	85.034
2	107.26	84.237
4	106.97	83.738
6	106.10	82.233
8	105.33	80.916
10	102.64	76.292
12	99.64	71.141
14	96.88	66.401
16	93.87	61.242
18	89.76	54.182
20	85.95	47.635
22	81.68	40.293
24	77.05	32.339
26	73.78	26.733
28	68.70	18.010
30	65.25	12.084

TABLE A-2.40 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	102.056	85.034	28	25	78.65	0.8	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	2.0	27.17	1.0	65.0	32.5	11.23	58.0	3.0	18.89

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	102.06	85.034	16	87.448	58.548
1	101.99	84.909	17	85.047	54.196
2	101.77	84.523	18	82.920	50.339
3	101.54	84.102	19	80.822	46.536
4	101.18	83.443	20	79.287	43.752
5	100.44	82.098	21	77.345	40.231
6	100.50	82.207	22	75.085	36.134
7	99.28	80.002	23	72.806	32.001
8	98.51	78.596	24	71.159	29.016
9	97.30	76.407	25	68.796	24.732
10	96.47	74.905	26	66.524	20.613
11	95.30	72.789	27	64.748	17.393
12	94.21	70.809	28	63.208	14.601
13	92.59	67.875	29	62.323	12.995
14	91.36	65.643	30	61.521	11.541
15	88.97	61.313			

TABLE A-2.41 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	27.0	25.0	85.21	0.7	2432.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	2.0	18.11	1.5	65.0	32.5	11.23	57.5	32.5	18.54

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	107.726	85.034	24	71.603	22.987
1.5	106.80	83.439	25.5	68.723	18.041
3	106.58	83.064	27	66.604	14.402
4.5	105.70	81.546	28.5	64.397	10.610
6	104.86	80.107	30	63.512	9.091
7.5	103.50	77.779			
9	102.45	75.972			
10.5	98.58	69.324			
12	96.44	65.650			
13.5	94.03	61.506			
15	90.88	56.098			
16.5	87.76	50.743			
18	84.45	45.047			
19.5	81.83	40.552			
21	78.91	35.538			
22.5	76.24	30.946			

TABLE A-2.42 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	27.0	25.0	85.21	0.7	2318.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	2.0	13.58	2.0	64.5	32.5	11.61	58.0	33.5	19.86

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	107.726	85.034
2	107.59	84.794
4	107.15	84.037
6	106.37	82.708
8	105.07	80.476
10	101.42	74.197
12	99.27	70.508
14	95.56	64.138
16	91.30	56.827
18	87.41	50.131
20	83.10	42.731
22	78.02	34.002
24	73.84	26.833
26	70.37	20.864
28	67.42	15.801
30	65.72	12.890

TABLE A-2.43 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.73	85.034	34	30	74.91	0.8	2584.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	2.5	27.17	1.0	65.5	32.0	10.19	57.0	33.0	20.17

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	107.73	85.034	16	89.02	52.902
1	107.55	84.730	17	86.66	48.855
2	107.09	83.938	18	84.70	45.488
3	106.25	82.502	19	82.93	42.448
4	105.71	81.568	20	80.47	38.216
5	104.82	80.047	21	78.34	34.552
6	103.74	78.188	22	76.04	30.605
7	102.59	76.214	23	74.96	28.756
8	101.74	74.747	24	73.00	25.385
9	100.44	72.524	25	71.40	22.644
10	98.44	69.084	26	68.73	18.046
11	96.66	66.025	27	67.14	15.330
12	95.88	64.693	28	65.94	13.254
13	93.97	61.402	29	65.62	12.709
14	92.40	58.702	30	64.88	11.440
15	90.50	55.449			

TABLE A-2.44 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG Consumption	Electrical Power Consumption
t	Wi	Ui	Tad	Taw	R.H.a		
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.73	85.034	34.0	30.0	74.91	0.7	2508.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	2.5	18.11	1.5	65.0	32.5	11.23	57.5	33.0	19.52

Time	Weight	Moisture content	Time	Weight	Moisture content
(min.)	(g.)	(%)	(min.)	(g.)	(%)
0	107.73	85.034	24	72.38	24.331
1.5	107.25	84.209	25.5	70.06	20.346
3	106.09	82.216	27	67.76	16.395
4.5	105.95	81.983	28.5	66.89	14.892
6	104.97	80.298	30	65.66	12.784
7.5	104.04	78.702			
9	101.37	74.112			
10.5	99.17	70.346			
12	96.04	64.955			
13.5	93.27	60.207			
15	91.23	56.700			
16.5	87.57	50.409			
18	85.20	46.345			
19.5	82.35	41.440			
21	79.75	36.979			
22.5	75.59	29.829			

TABLE A-2.45 TEST DATA RECORD

Sample Properties			Ambient Condition			LPG	Electrical Power
t	Wi	Ui	Tad	Taw	R.H.a	Consumption	Consumption
(mm.)	(g.)	(%)	(Deg. C)	(Deg. C)	(%)	(kg./hr.)	(Watt)
2.0	107.726	85.034	34.0	30.0	74.91	0.7	2394.0

Test Condtion				Hot Air Inlet			Hot Air Outlet		
T	Va	Vc	dt	Tdi	Twi	R.H.i	Tdo	Two	R.H.o
(Deg. C)	(m/s)	(m/s)	(min.)	(Deg. C)	(Deg. C)	(%)	(Deg. C)	(Deg. C)	(%)
60.0	2.5	13.58	2.0	65.0	32.5	11.23	57.0	32.5	19.17

Time	Weight	Moisture content
(min.)	(g.)	(%)
0	107.73	85.034
2	107.49	84.627
4	106.12	82.275
6	104.80	80.012
8	102.95	76.827
10	100.16	72.046
12	97.08	66.754
14	93.23	60.139
16	88.69	52.331
18	85.08	46.136
20	81.52	40.025
22	77.06	32.358
24	72.41	24.377
26	69.02	18.550
28	66.72	14.601
30	64.49	10.778

Appendix B

Table and Figure show Comparision of Moisture Content of Veneer during Drying at Each Velocity of Hot Air; Va

TABLE B-1.01

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot arir temp. ; T = 100.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1	75.831	77.640	78.922
2	64.823	68.643	72.485
3	54.064	60.877	63.999
4	42.466	50.126	54.973
5	35.006	42.964	45.010
6	29.047	35.593	39.110
7	23.290	29.392	32.396
8	19.476	22.034	28.302
9	13.093	19.240	22.634
10	12.670	15.865	18.595
11	10.399	13.922	15.883
12	8.745	10.539	12.231
13	8.292	9.535	10.855
14	7.574	8.543	9.745
15	6.854	7.193	8.496
16	6.193	6.721	7.719

Fig. B-1.01

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot arir temp. ; T = 100.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.0 min

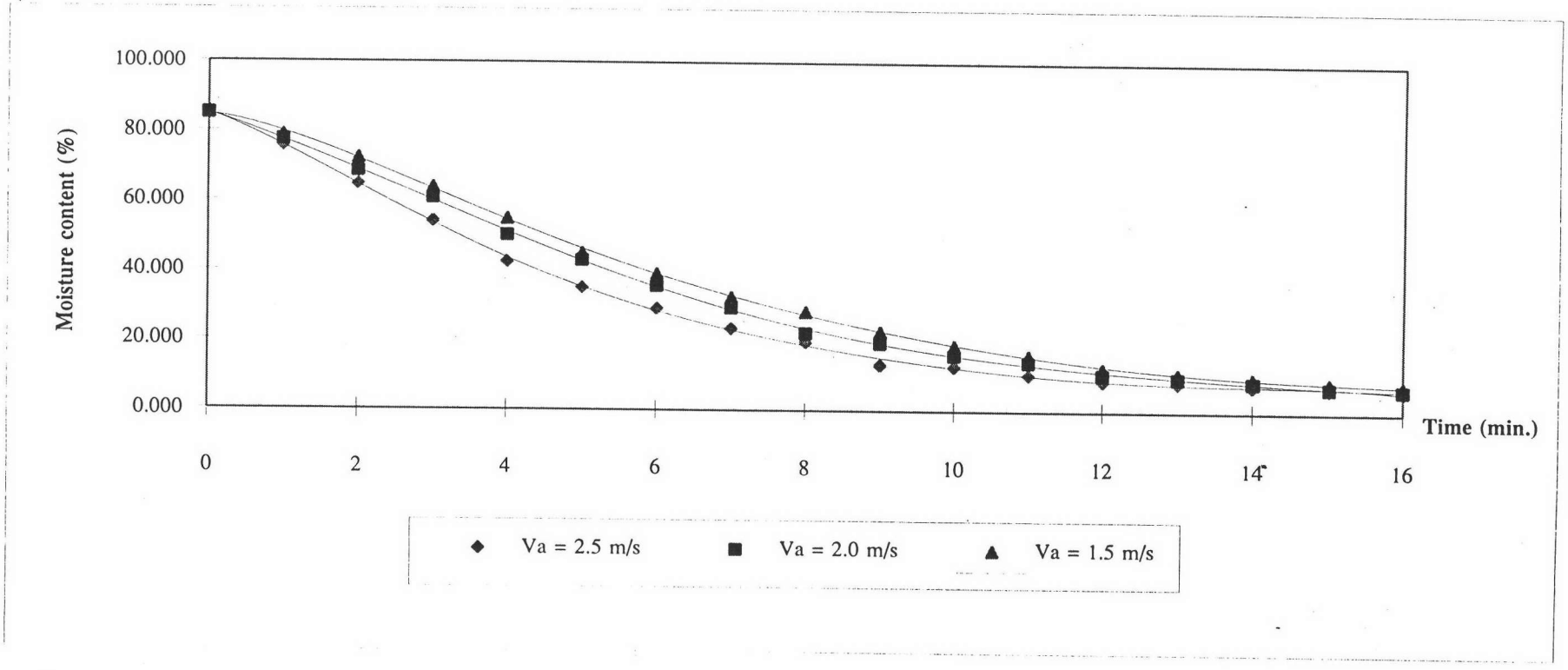


TABLE B-1.02

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 100.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1.5	70.173	73.777	75.199
3	56.368	58.138	62.220
4.5	40.033	47.845	50.668
6	27.035	34.131	38.452
7.5	22.208	27.302	30.262
9	15.559	19.811	22.474
10.5	11.649	14.042	17.354
12	9.578	10.353	12.858
13.5	6.293	8.621	9.042
15	6.817	7.029	7.822

Fig. B-1.02

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 100.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

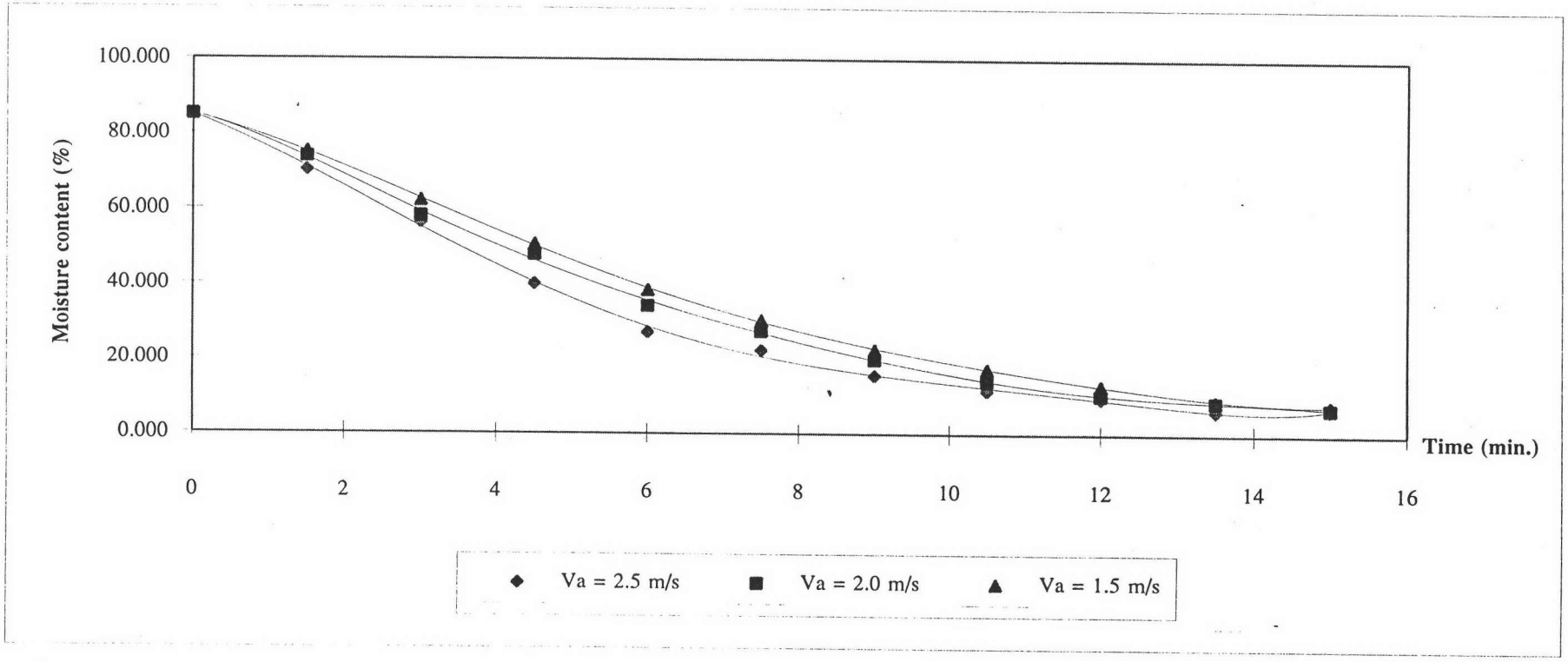


TABLE B-1.03

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 100.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

Time	Moisture content (%)		
(min.)	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
2	65.243	68.16	70.243
4	44.988	50.384	53.023
6	28.972	35.356	38.162
8	17.576	23.458	27.307
10	12.026	15.049	18.342
12	8.558	10.294	13.686
14	7.086	7.883	8.642
16	6.002	6.524	7.617

Fig. B-1.03

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 100.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

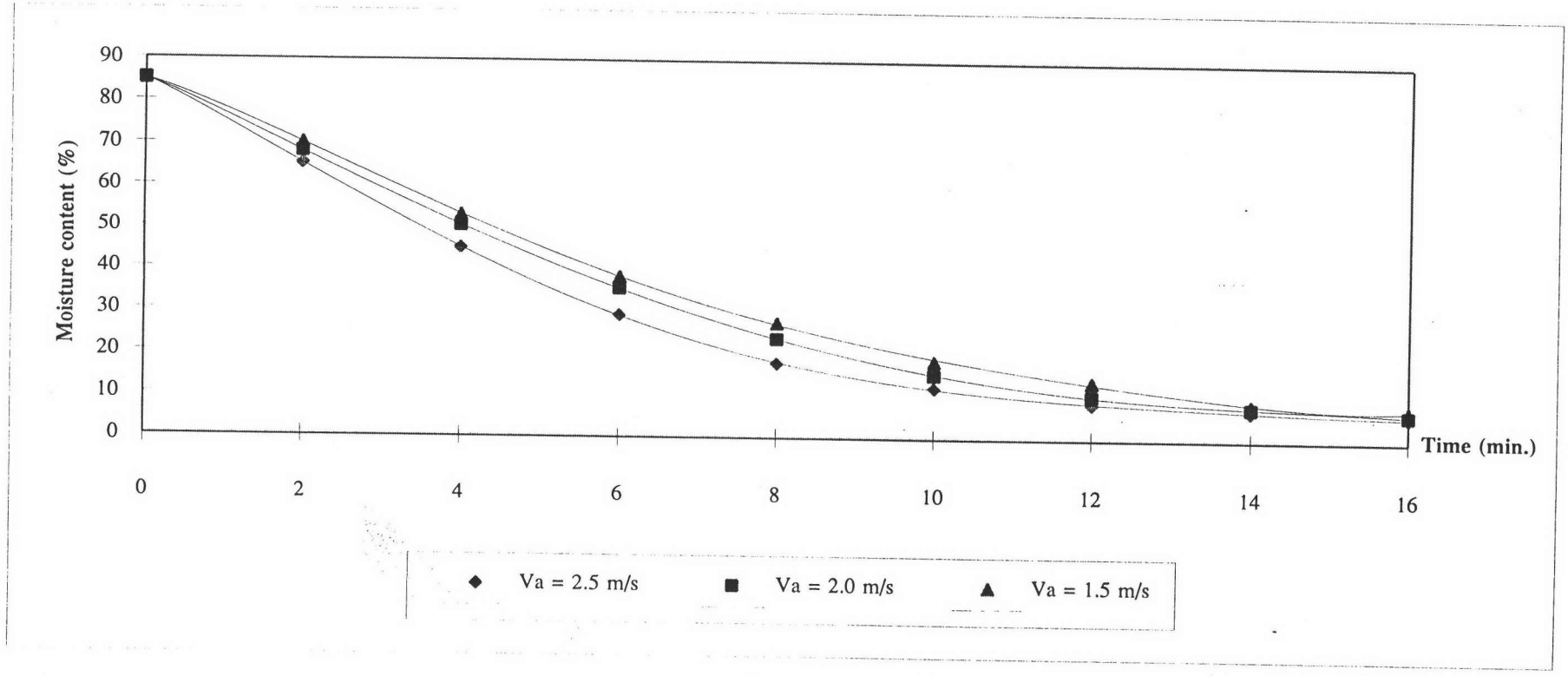


TABLE B-1.04

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot arir temp. ; T = 90.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1	80.501	80.409	80.247
2	75.966	76.375	77.553
3	69.933	70.634	72.040
4	63.572	65.755	67.335
5	56.135	58.069	60.414
6	49.217	52.431	54.147
7	40.948	45.166	48.974
8	34.685	38.752	42.001
9	28.309	33.238	36.009
10	22.539	27.776	31.067
11	19.831	24.133	27.483
12	14.148	20.734	23.984
13	13.075	18.260	20.795
14	10.282	15.012	18.736
15	9.505	13.134	15.693
16	7.106	10.896	15.021
17	6.819	10.589	12.545
18	6.437	9.813	11.953
19	6.222	8.410	10.033
20	6.021	8.029	9.279

Fig. B-1.04

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot arir temp. ; T = 90.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.0 min

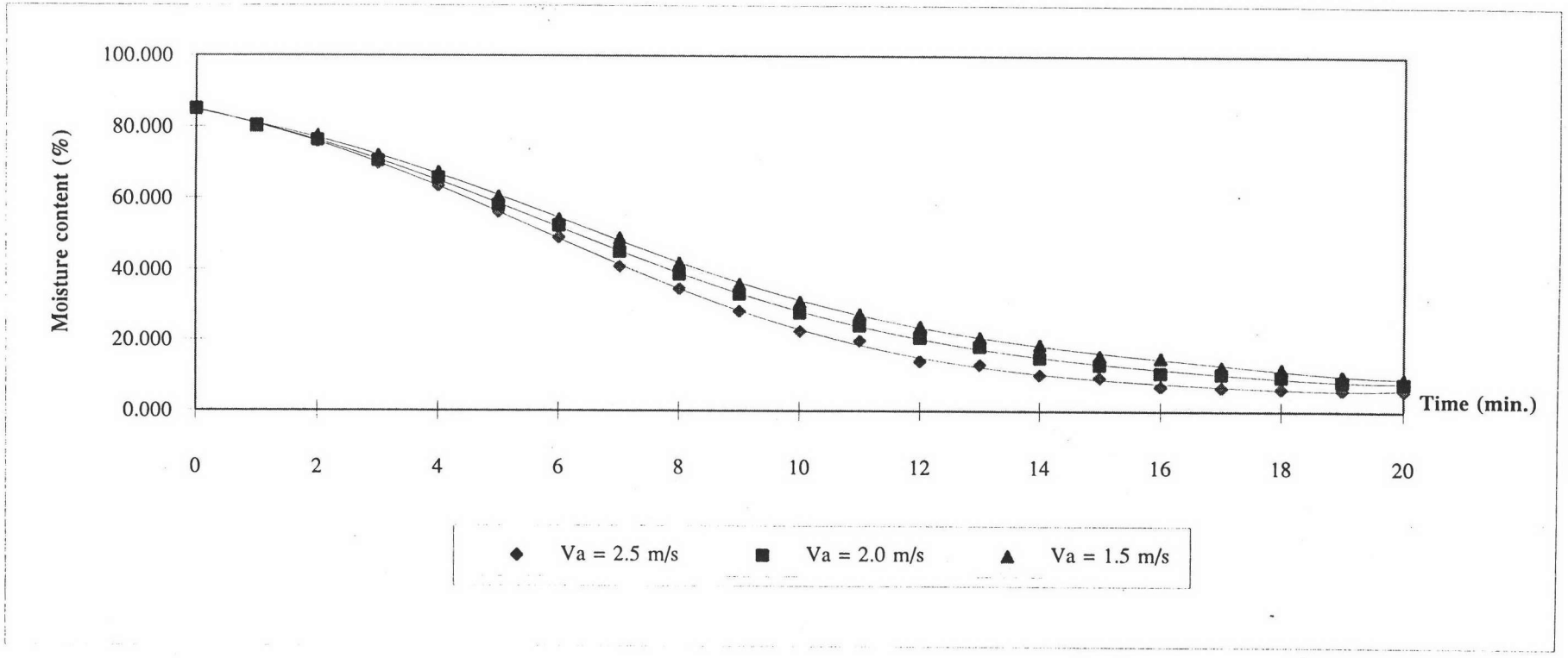


TABLE B-1.05

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 90.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

Time	Moisture content (%)		
(min.)	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1.5	77.739	78.807	80.896
3	69.242	70.013	72.982
4.5	60.900	61.075	65.958
6	48.909	51.543	53.149
7.5	38.550	43.198	45.064
9	29.187	32.297	35.431
10.5	25.157	25.578	29.243
12	14.233	21.808	24.537
13.5	11.070	17.395	19.093
15	8.566	13.290	17.659
16.5	8.177	11.752	14.900
18	7.957	8.355	11.057
19.5	6.836	7.729	10.359

Fig. B-1.05

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 90.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

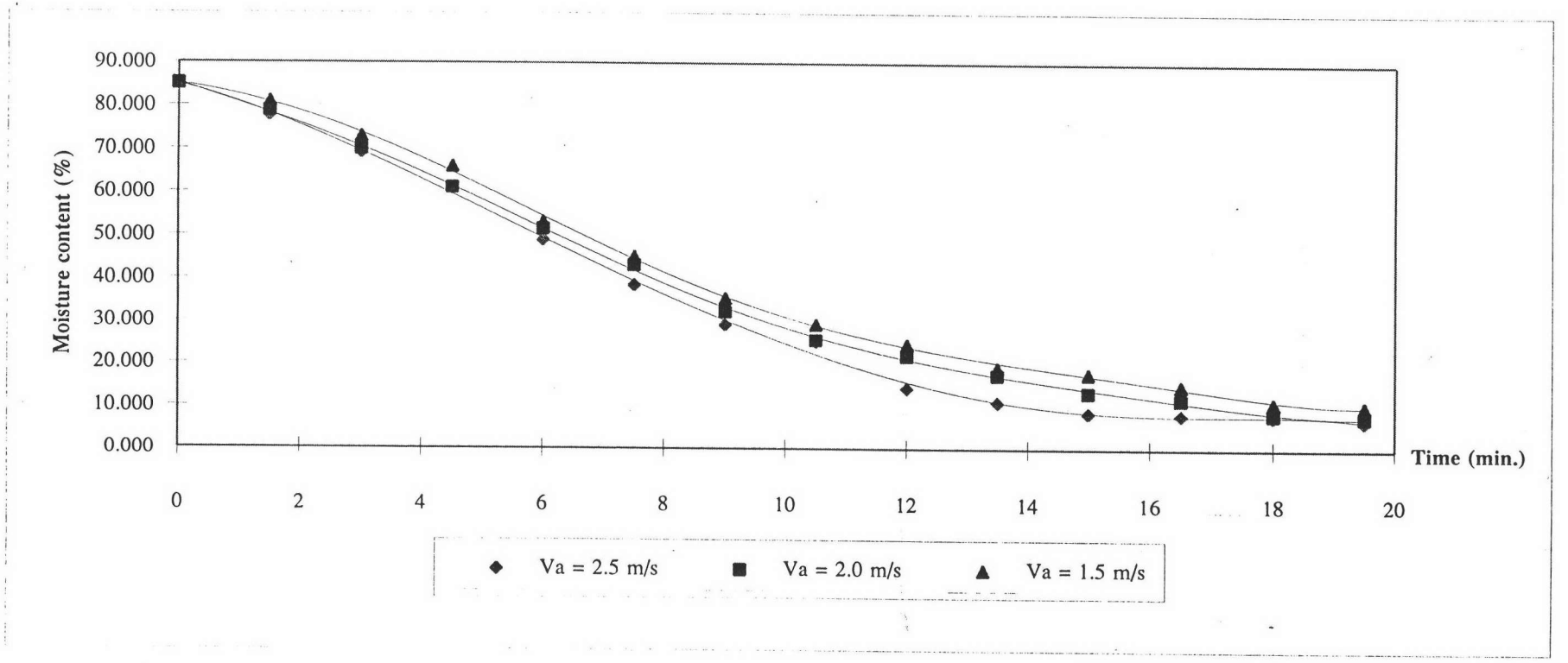


TABLE B-1.06

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 90.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
2	74.377	76.894	77.879
4	63.404	65.849	67.435
6	43.398	52.953	54.535
8	35.783	38.996	42.821
10	24.125	28.947	32.171
12	15.408	21.955	24.079
14	10.085	15.658	18.505
16	8.587	11.818	14.985
18	7.236	9.256	11.919
20	6.824	8.793	9.682

Fig. B-1.06

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 90.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

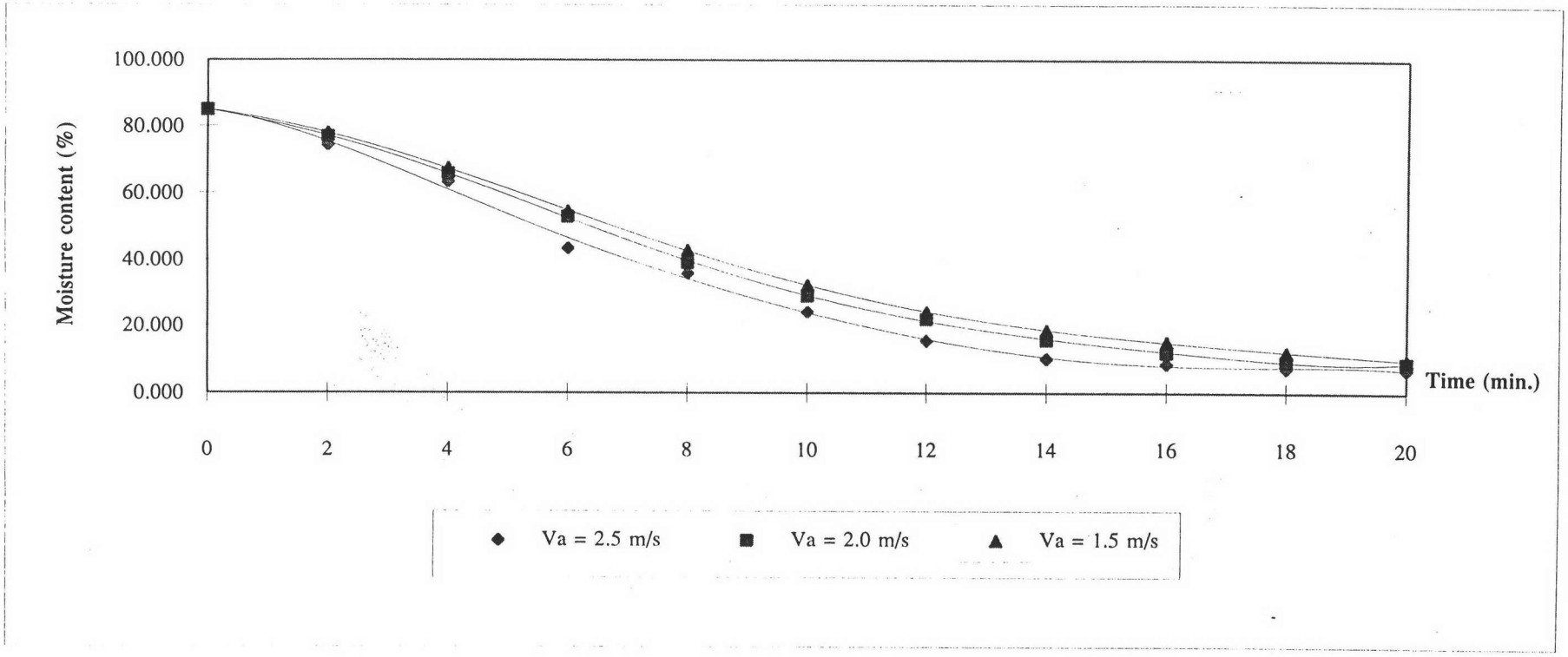


TABLE B-1.07

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot arir temp. ; T = 80.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1	82.917	83.097	83.041
2	80.510	80.705	81.512
3	75.810	76.426	77.949
4	70.177	72.994	74.653
5	66.210	68.641	70.818
6	62.738	64.399	67.291
7	58.092	60.242	63.085
8	52.670	55.470	59.635
9	48.469	51.402	55.412
10	42.315	47.203	50.109
11	38.503	42.058	46.212
12	33.139	38.366	42.656
13	29.106	35.375	38.362
14	25.160	30.733	34.542
15	21.262	27.588	30.128
16	18.570	23.906	26.727
17	15.058	19.837	22.317
18	12.380	16.914	19.159
19	10.637	13.764	16.321
20	9.774	10.256	12.771
21	8.752	9.835	11.575
22	8.272	9.703	10.735
23	7.917	9.510	10.475
24	7.710	9.475	10.128
25	7.594	9.284	9.939
26	7.444	8.613	9.615
27	7.350	8.465	9.321
28	7.211	8.208	9.024
29	6.787	8.060	8.898
30	6.491	7.481	8.875

Fig. B-1.07

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot arir temp. ; T = 80.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.0 min

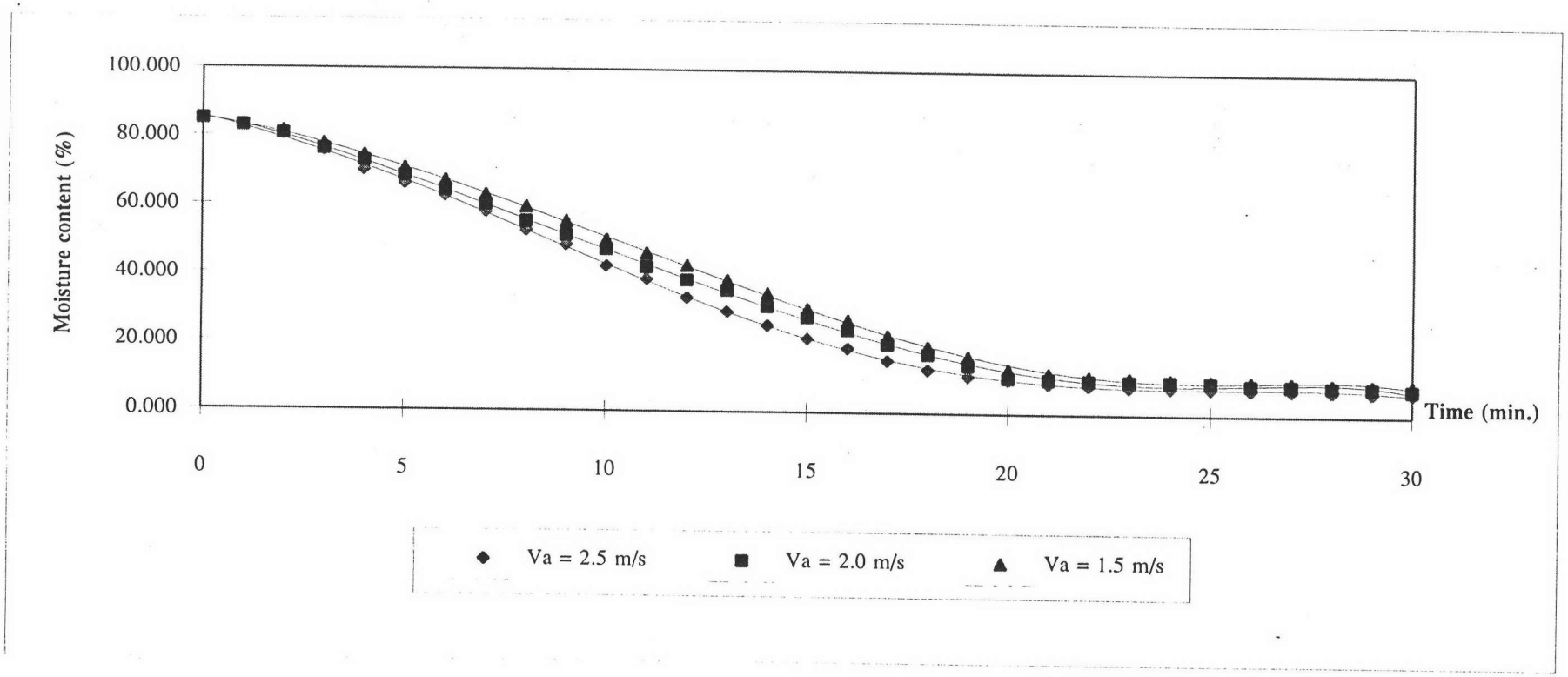


TABLE B-1.08

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 80.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

Time	Moisture content (%)		
(min.)	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1.5	78.591	79.511	80.956
3	75.191	76.123	77.126
4.5	69.892	70.918	72.740
6	62.249	64.907	68.508
7.5	54.897	57.116	61.275
9	47.186	51.020	55.534
10.5	40.381	45.240	48.828
12	33.490	38.733	42.183
13.5	27.922	32.091	35.110
15	20.024	25.666	30.088
16.5	18.173	21.477	26.618
18	12.798	16.490	19.589
19.5	9.636	12.148	15.099
21	8.846	9.984	11.611
22.5	8.520	9.483	10.547
24	7.674	9.180	9.988
25.5	7.480	8.840	9.807
27	7.163	8.639	9.744
28.5	6.896	9.326	9.595
30	6.070	8.065	9.296

Fig. B-1.08

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 80.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

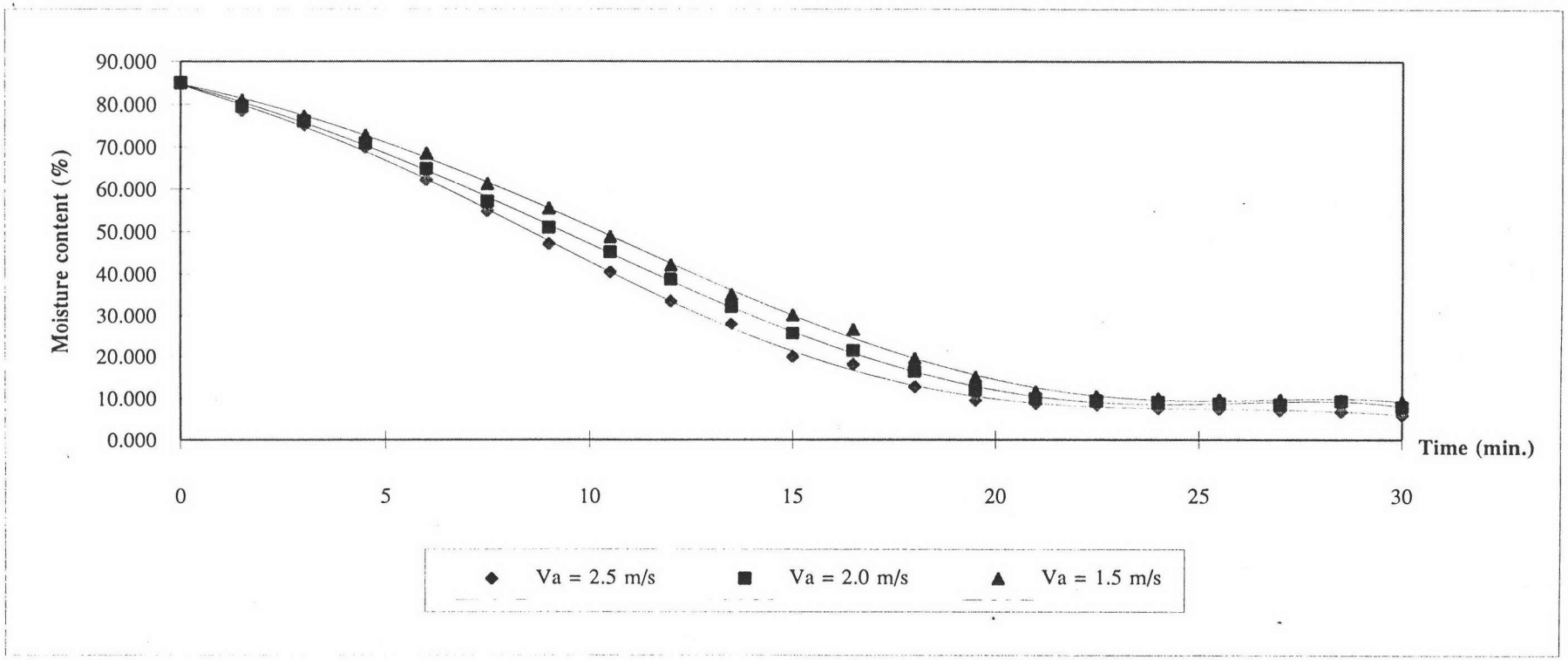


TABLE B-1.09

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 80.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

Time	Moisture content (%)		
(min.)	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
2	78.822	79.433	80.965
4	70.969	72.022	75.100
6	61.590	64.178	67.187
8	51.159	55.131	59.385
10	42.720	47.012	50.377
12	34.027	38.124	42.760
14	24.163	30.817	35.071
16	20.117	25.084	27.502
18	14.077	17.587	22.805
20	11.539	15.300	19.332
22	8.042	11.530	14.520
24	7.347	9.744	10.151
26	6.599	8.571	9.982
28	6.317	7.904	9.632
30	5.470	7.589	9.328

Fig. B-1.09

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 80.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

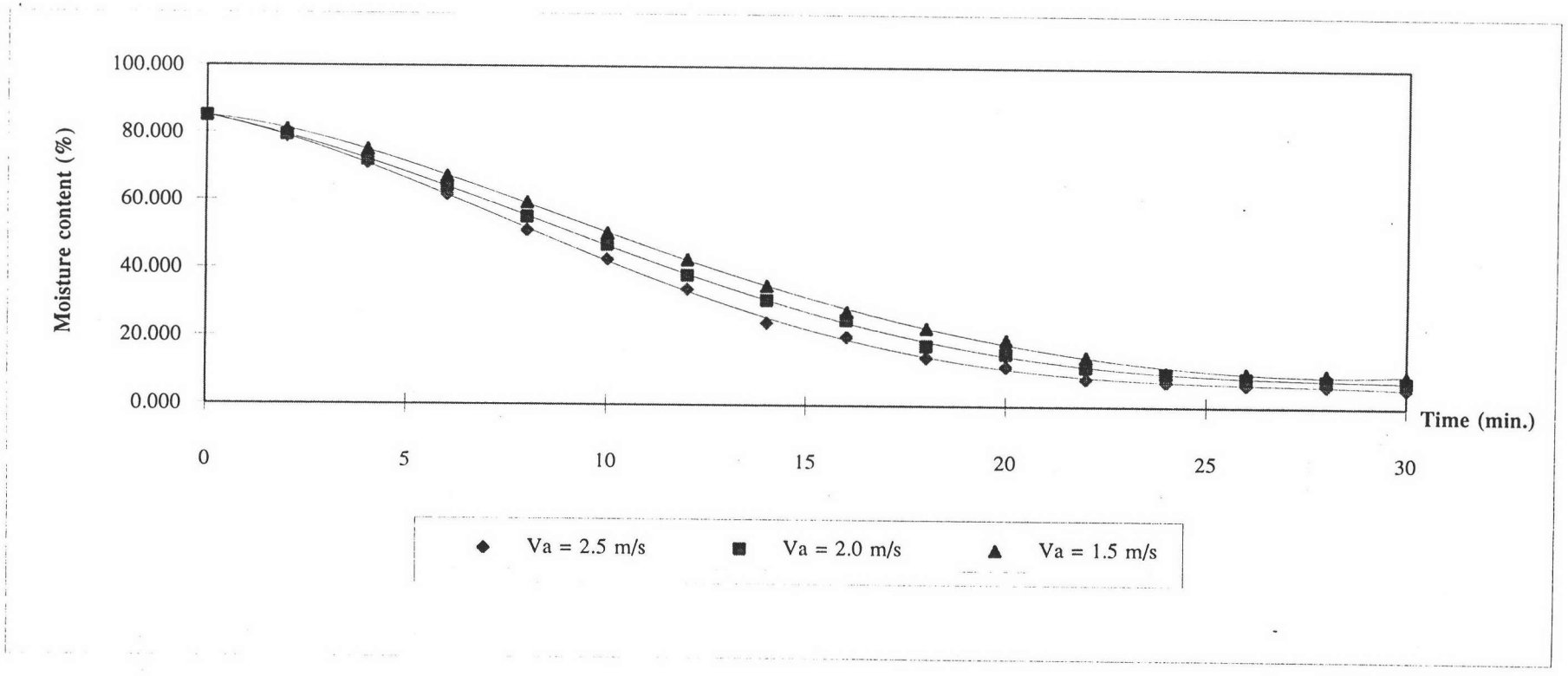


TABLE B-1.10

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot arir temp. ; T = 70.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1	83.175	84.378	84.747
2	81.959	83.023	83.840
3	79.188	81.003	82.495
4	78.771	79.014	80.251
5	73.506	78.221	79.754
6	70.055	75.507	77.034
7	69.581	72.895	75.715
8	65.771	70.140	72.139
9	62.729	67.422	69.788
10	58.617	63.059	67.543
11	53.442	59.257	66.993
12	50.050	55.856	60.418
13	48.364	53.789	57.190
14	44.116	51.655	55.561
15	40.551	47.393	52.946
16	37.860	42.241	48.194
17	32.759	39.850	45.959
18	28.604	35.703	40.553
19	25.016	32.361	36.392
20	21.521	28.545	32.253
21	18.816	25.154	27.544
22	15.711	20.623	24.663
23	12.959	18.684	20.171
24	10.320	15.645	17.192
25	9.531	13.943	15.455
26	8.941	10.797	12.981
27	8.348	9.691	10.813
28	7.749	9.243	10.345
29	7.154	8.805	9.955
30	6.280	8.068	9.923

Fig. B-1.10

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot arir temp. ; T = 70.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.0 min

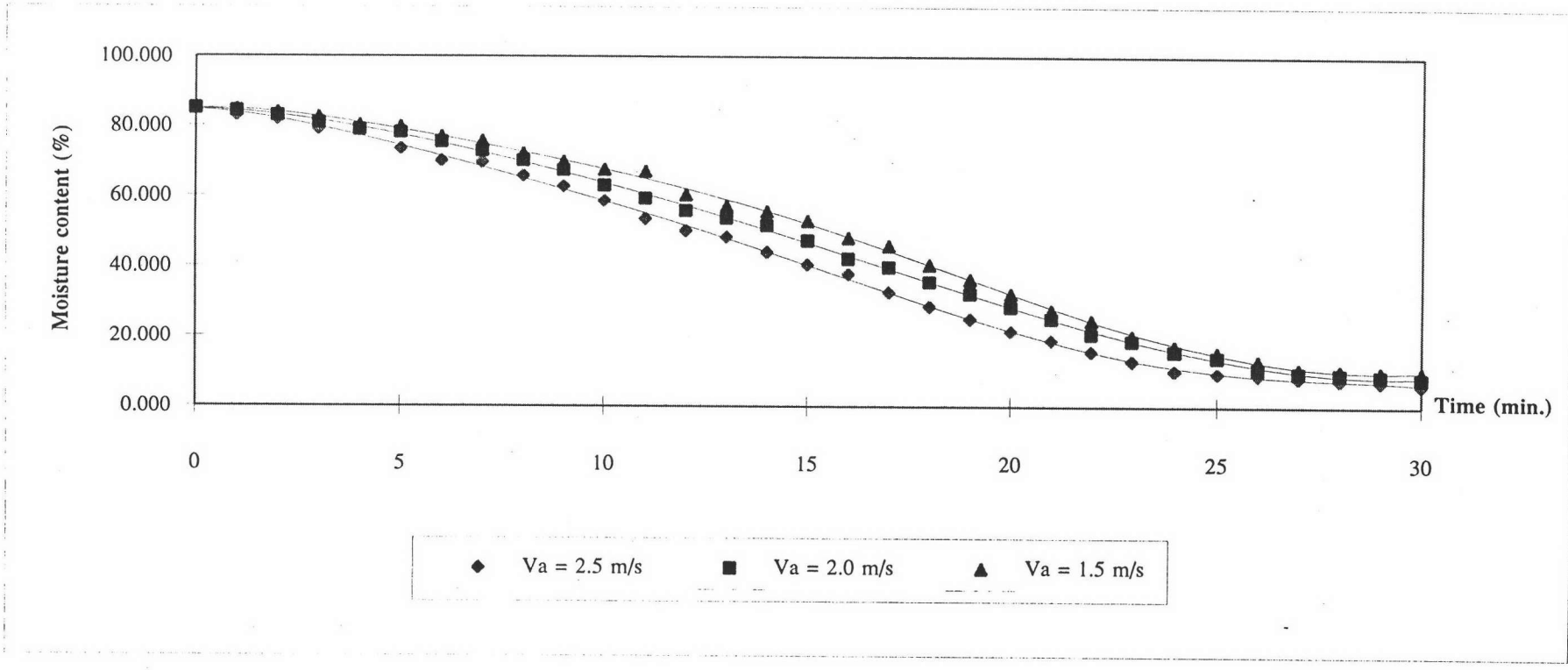


TABLE B-1.11

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 70.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1.5	82.555	83.855	84.210
3	79.353	81.690	82.055
4.5	76.308	79.055	80.521
6	71.663	74.041	77.330
7.5	67.348	71.691	74.799
9	63.736	67.857	69.601
10.5	56.403	62.519	65.743
12	51.334	57.193	61.240
13.5	46.426	53.594	57.094
15	41.673	48.545	52.495
16.5	35.449	40.783	45.845
18	28.719	35.881	39.606
19.5	23.494	30.734	35.069
21	18.387	24.186	28.037
22.5	13.402	18.397	23.300
24	11.112	15.593	17.578
25.5	9.621	12.622	14.858
27	9.291	10.732	11.556
28.5	8.997	9.818	10.520
30	8.288	9.052	9.315

Fig. B-1.11

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 70.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

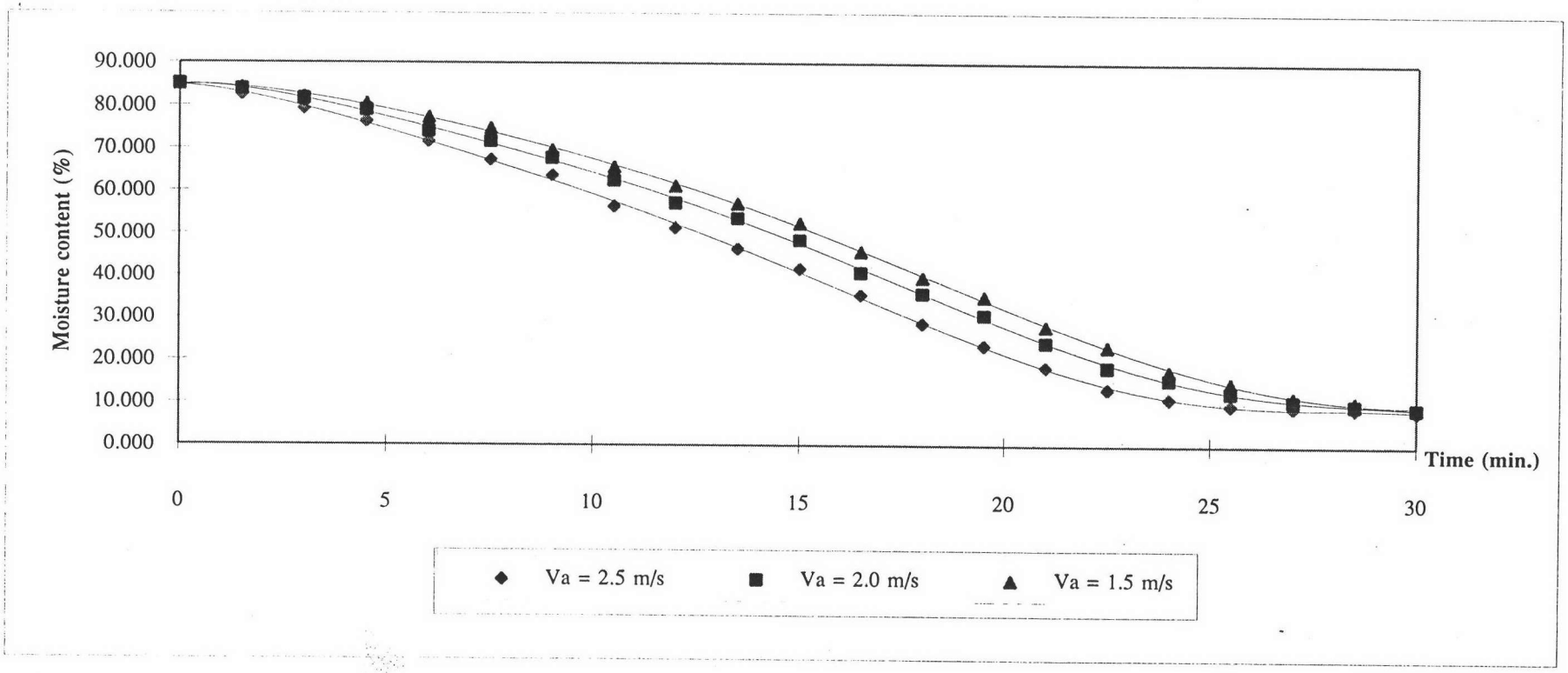


TABLE B-1.12

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 70.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
2	79.744	81.809	82.787
4	77.427	79.160	80.296
6	70.520	75.005	78.064
8	65.759	70.039	73.483
10	57.044	65.247	70.412
12	52.308	57.708	61.123
14	45.394	50.308	55.264
16	37.574	45.716	49.864
18	29.163	35.817	40.314
20	20.860	30.000	31.786
22	15.139	24.300	24.671
24	10.267	19.700	20.600
26	8.152	16.000	16.843
28	8.527	12.000	10.950
30	7.381	9.264	9.971

Fig. B-1.12

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 70.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

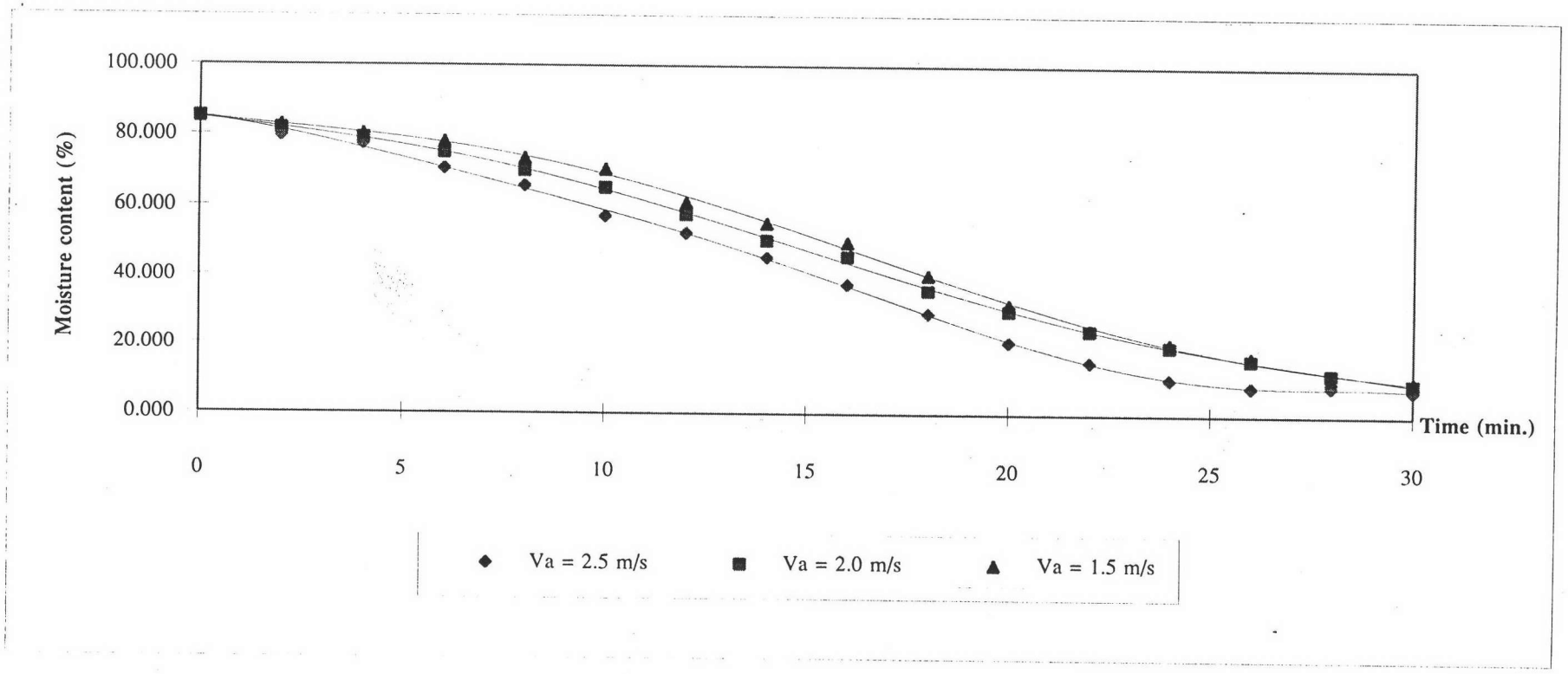


TABLE B-1.13

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot arir temp. ; T = 60.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1	83.746	84.353	84.511
2	81.450	83.314	84.112
3	80.813	82.000	83.854
4	79.857	81.707	83.257
5	78.696	81.109	82.957
6	76.917	80.749	82.471
7	72.761	77.753	81.985
8	69.700	75.708	79.959
9	68.240	72.293	78.897
10	64.209	70.542	75.253
11	61.208	67.638	72.317
12	60.588	63.146	69.419
13	56.293	61.446	67.655
14	53.110	58.418	63.119
15	48.943	56.498	58.603
16	48.106	53.158	57.853
17	44.271	49.398	54.944
18	40.341	44.730	48.247
19	36.661	41.441	45.609
20	31.314	37.357	41.641
21	30.430	33.770	39.230
22	25.896	27.816	35.894
23	22.350	24.950	31.409
24	19.135	22.244	28.499
25	15.792	19.399	24.823
26	12.390	16.007	21.492
27	11.950	14.125	19.293
28	10.234	12.119	15.836
29	8.940	11.520	13.356
30	7.318	9.862	10.557

Fig. B-1.13

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot arir temp. ; T = 60.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.0 min

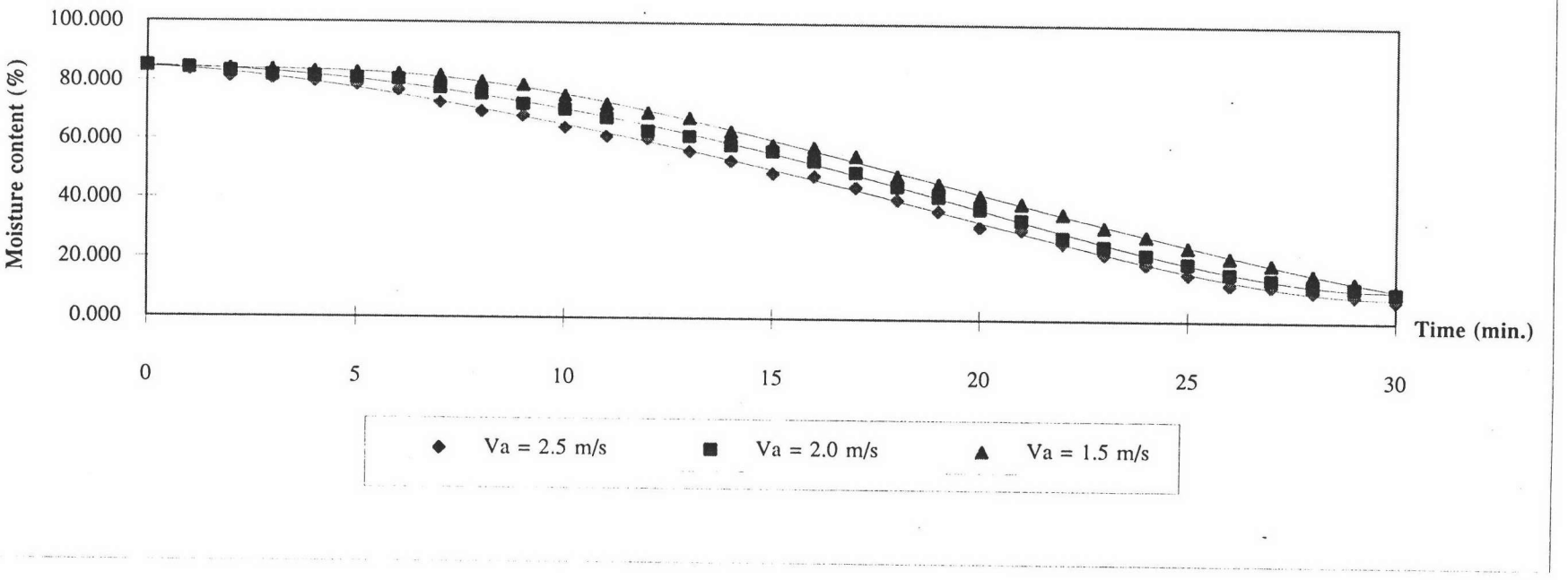


TABLE B-1.14

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 60.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1.5	82.454	83.993	85.900
3	79.357	80.610	84.440
4.5	77.336	79.910	83.761
6	75.723	78.940	81.681
7.5	71.695	75.921	80.523
9	66.118	74.453	78.846
10.5	65.264	68.320	74.955
12	58.295	65.417	69.651
13.5	55.246	60.858	65.420
15	50.978	55.451	60.993
16.5	46.940	50.108	56.985
18	39.273	45.252	48.423
19.5	34.942	39.411	44.225
21	29.993	32.431	39.647
22.5	23.861	27.356	34.300
24	16.840	23.746	26.225
25.5	15.360	18.657	24.488
27	11.919	14.886	18.223
28.5	9.208	11.889	15.481
30	9.010	10.147	10.869

Fig. B-1.14

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 60.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

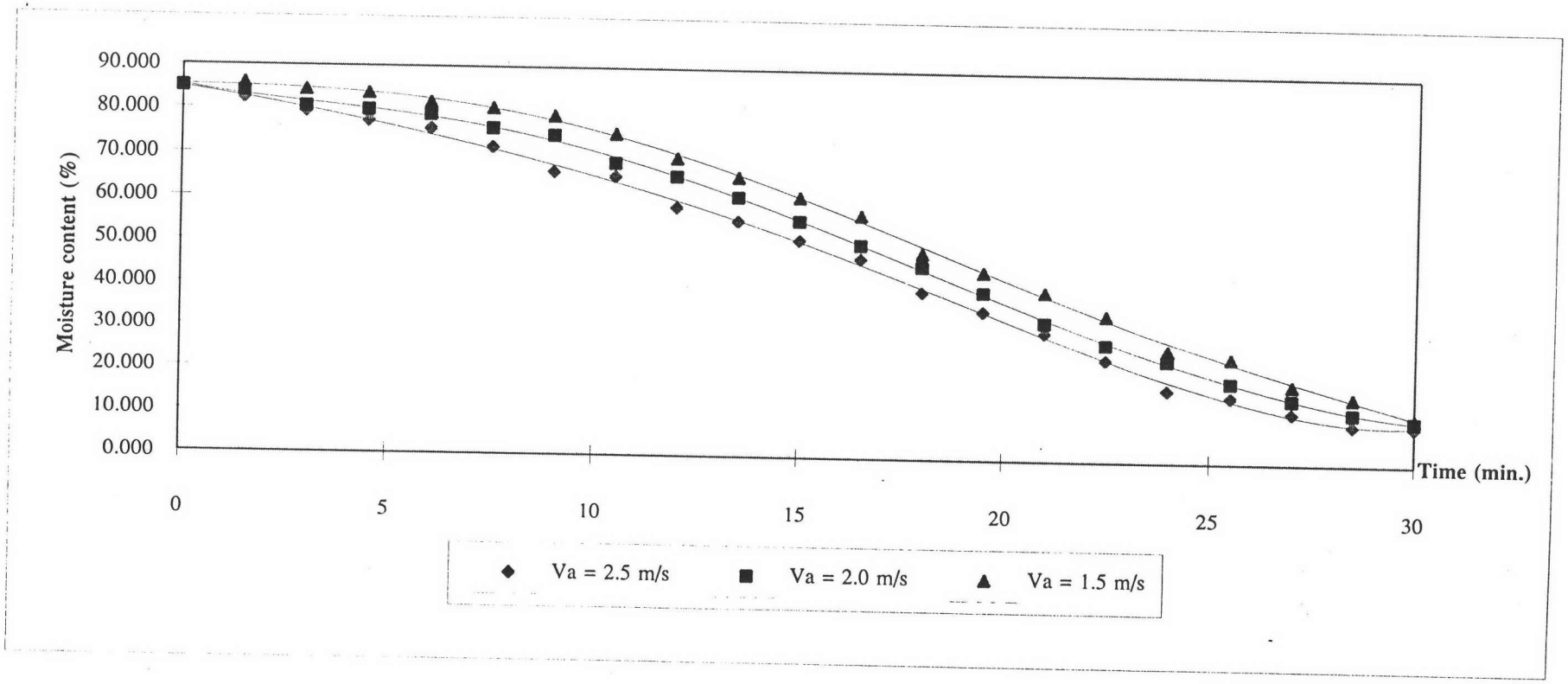


TABLE B-1.15

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 60.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
2	81.350	83.807	84.159
4	80.140	82.305	83.516
6	74.695	79.697	82.740
8	70.988	75.523	79.853
10	65.505	70.672	75.741
12	58.197	64.688	68.617
14	53.254	59.316	62.712
16	47.417	52.114	56.905
18	39.803	45.176	50.281
20	31.385	35.715	42.755
22	24.990	28.694	35.156
24	20.191	22.620	28.442
26	14.579	15.591	21.000
28	9.477	11.875	14.714
30	8.416	10.142	10.979

Fig. B-1.15

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 60.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

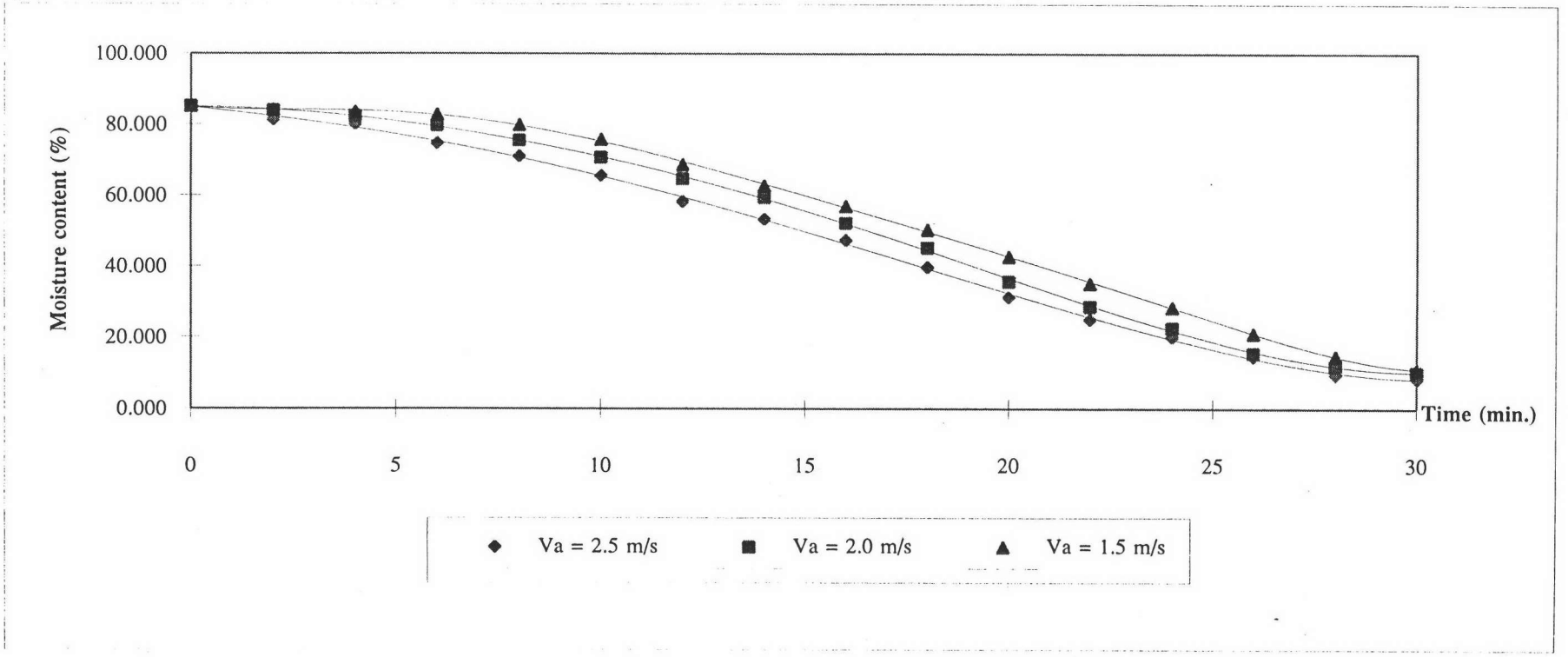


TABLE B-2.01

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot arir temp. ; T = 100.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1	79.212	81.616	83.567
2	75.167	77.541	79.736
3	67.292	71.143	73.282
4	60.125	65.518	68.562
5	52.397	59.412	62.687
6	46.657	51.398	56.504
7	40.411	46.150	50.066
8	34.585	40.495	44.792
9	28.100	33.993	37.699
10	23.356	26.112	32.845
11	18.612	24.007	28.100
12	14.995	19.554	23.296
13	12.234	15.109	19.020
14	9.418	11.072	16.809
15	7.582	8.236	12.403
16	6.241	7.017	9.678

Fig. B-2.01

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot arir temp. ; T = 100.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.0 min

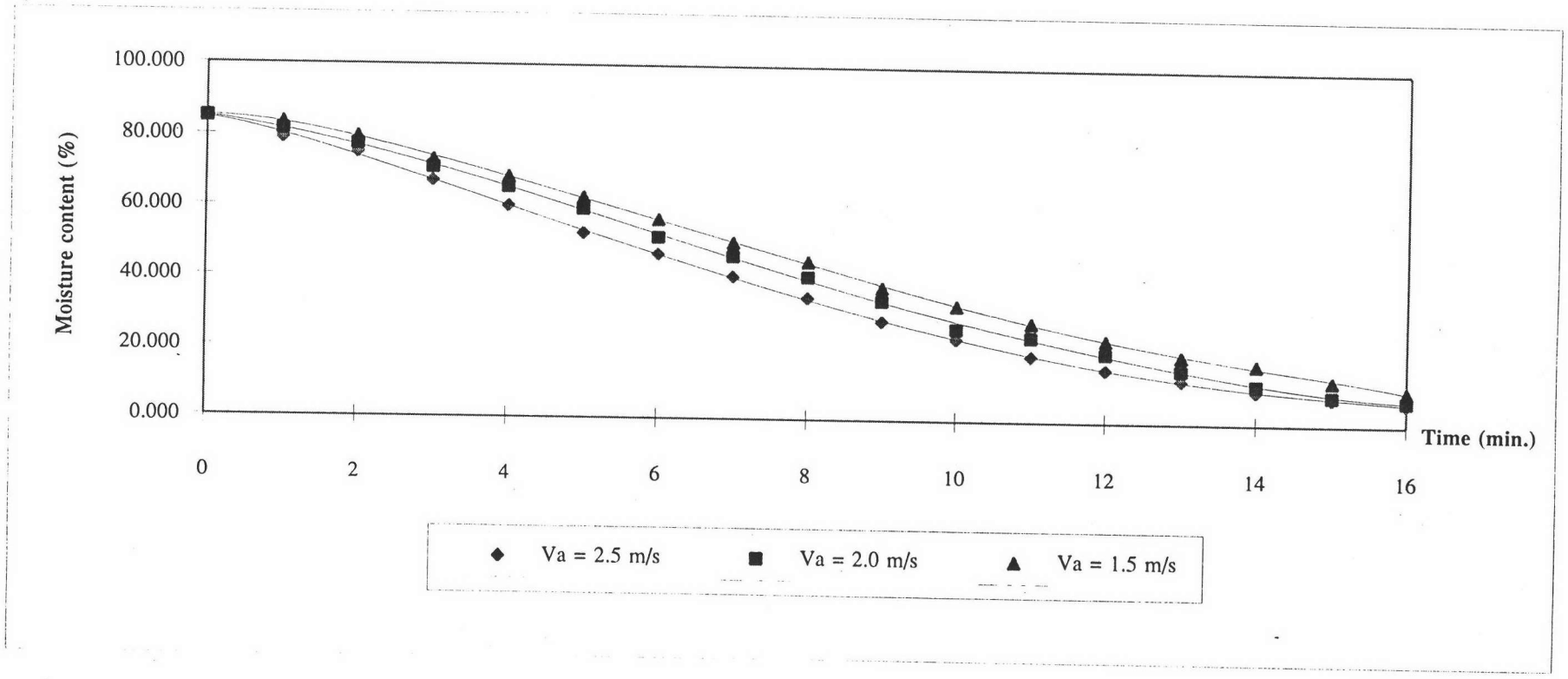


TABLE B-2.02

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 100.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1.5	76.938	79.506	80.541
3	68.295	70.426	72.638
4.5	56.365	60.687	65.030
6	46.553	55.818	58.283
7.5	35.792	43.403	47.203
9	28.903	34.654	40.900
10.5	22.391	26.216	30.810
12	15.616	19.117	21.516
13.5	10.965	12.543	16.116
15	8.704	9.005	11.594

Fig. B-2.02

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 100.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

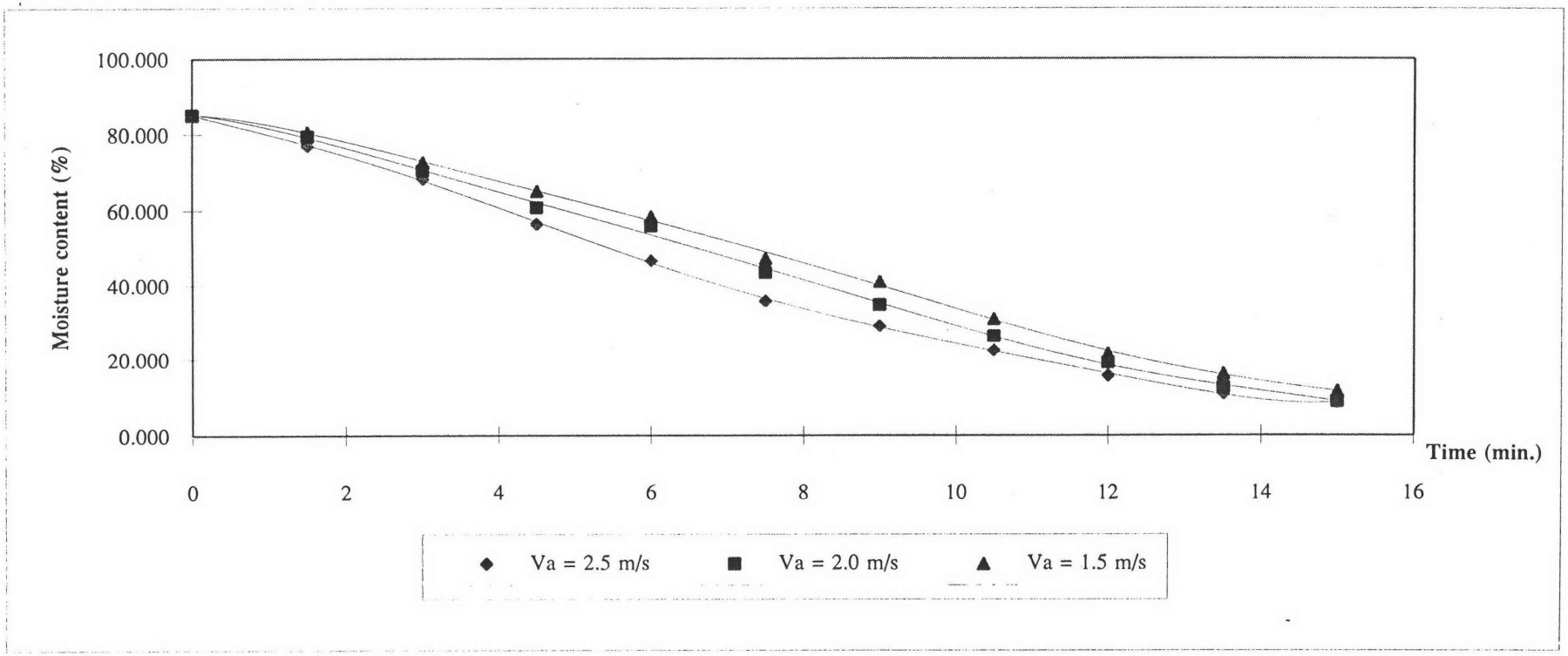


TABLE B-2.03

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 100.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
2	73.019	75.295	77.223
4	58.601	65.557	68.112
6	44.182	55.818	57.592
8	34.570	40.635	44.378
10	24.958	29.419	33.648
12	15.346	20.227	23.005
14	10.540	12.594	14.755
16	6.734	8.303	10.690

Fig. B-2.03

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 100.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

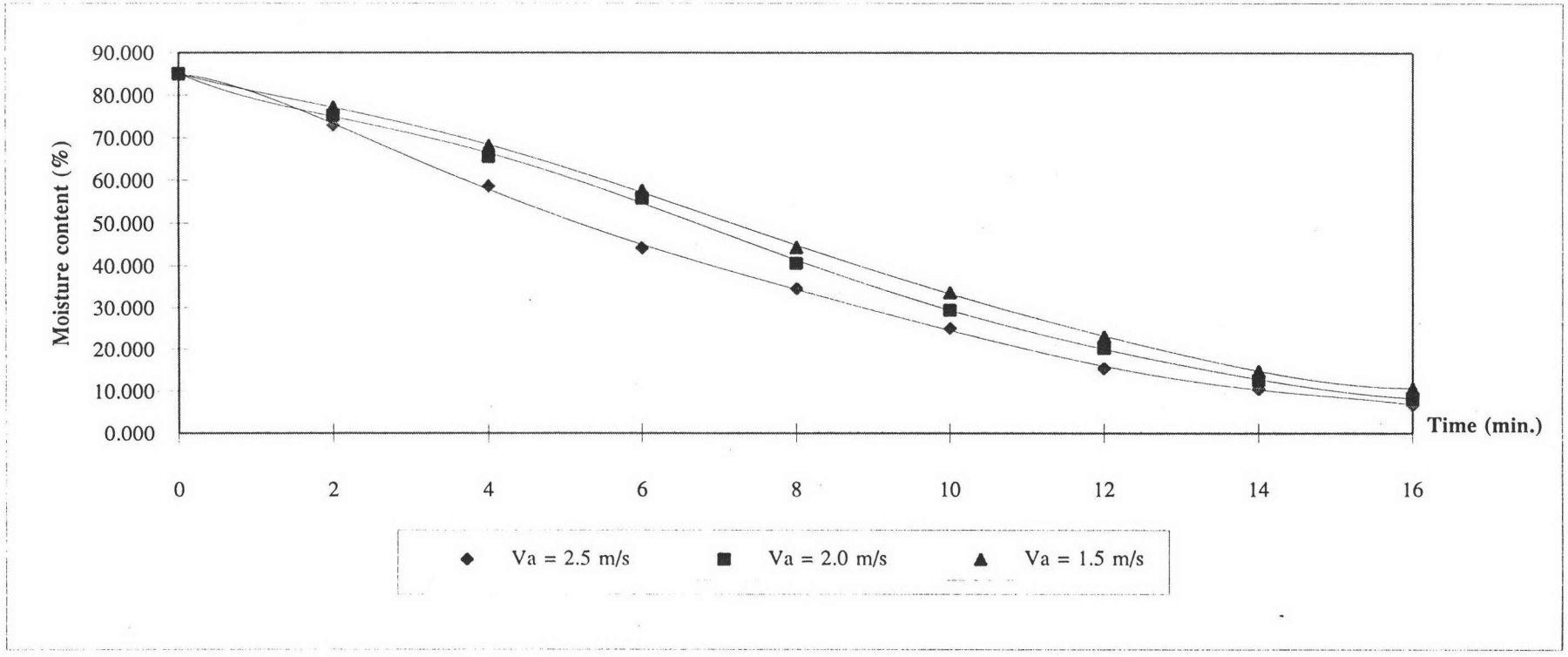


TABLE B-2.04

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot arir temp. ; T = 90.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.0 min.

Time	Moisture content (%)		
(min.)	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1	81.258	82.511	83.791
2	77.451	79.812	80.759
3	73.297	75.009	78.881
4	68.055	72.789	75.086
5	63.220	68.479	72.751
6	59.798	65.289	69.897
7	54.959	61.685	62.392
8	49.491	54.105	59.375
9	43.242	51.953	55.499
10	38.407	44.767	49.044
11	32.308	40.655	45.878
12	26.197	33.238	38.776
13	21.352	28.118	34.042
14	18.558	22.127	27.352
15	14.591	19.692	22.699
16	12.262	17.309	20.590
17	11.741	13.323	17.292
18	9.361	11.393	14.054
19	8.793	10.451	12.450
20	7.602	9.522	11.217

Fig. B-2.04

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot arir temp. ; T = 90.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.0 min

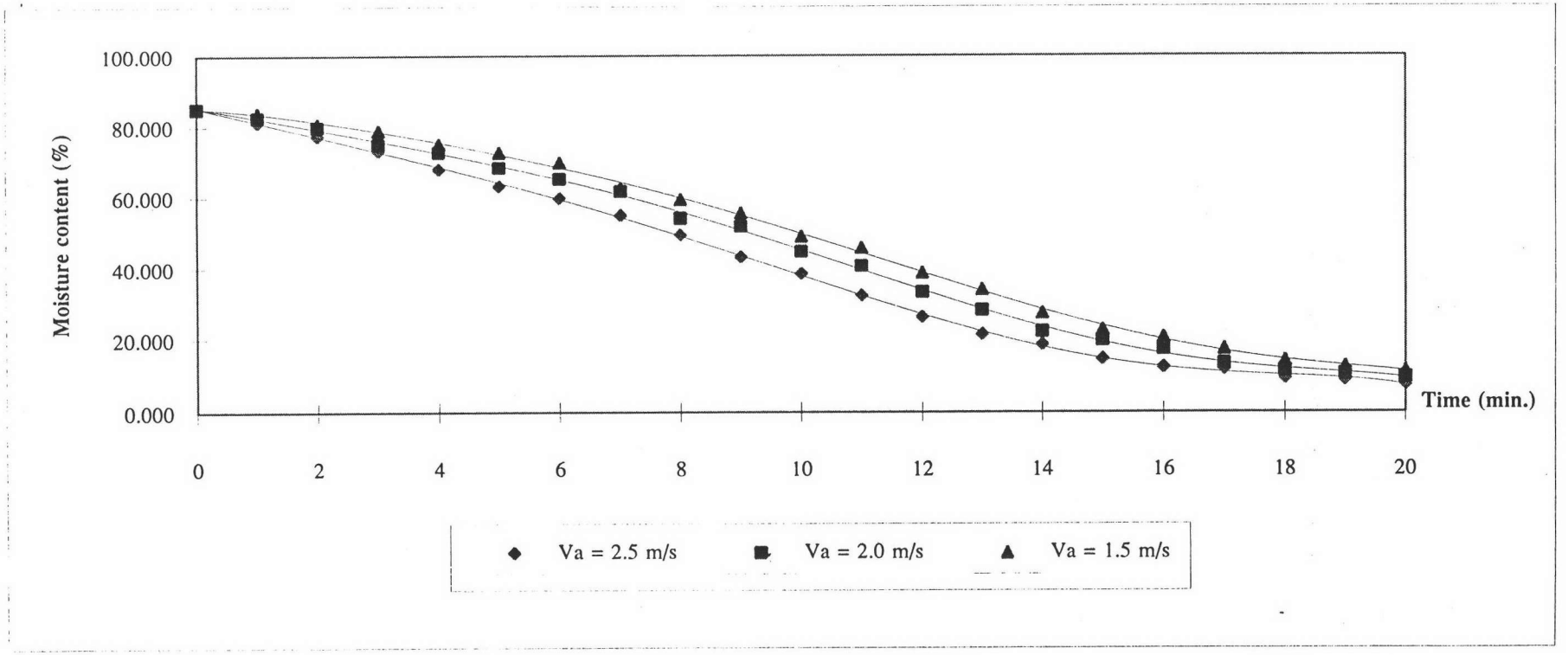


TABLE B-2.05

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 90.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1.5	79.810	80.192	83.303
3	73.542	76.325	79.417
4.5	67.556	70.123	76.197
6	60.205	62.306	70.859
7.5	51.605	58.276	64.806
9	42.055	51.676	55.827
10.5	35.242	43.409	45.974
12	27.049	34.704	39.387
13.5	21.289	26.880	30.024
15	13.867	21.549	25.023
16.5	11.495	14.608	17.499
18	9.123	12.857	14.155
19.5	8.495	9.288	11.891

Fig. B-2.05

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 90.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

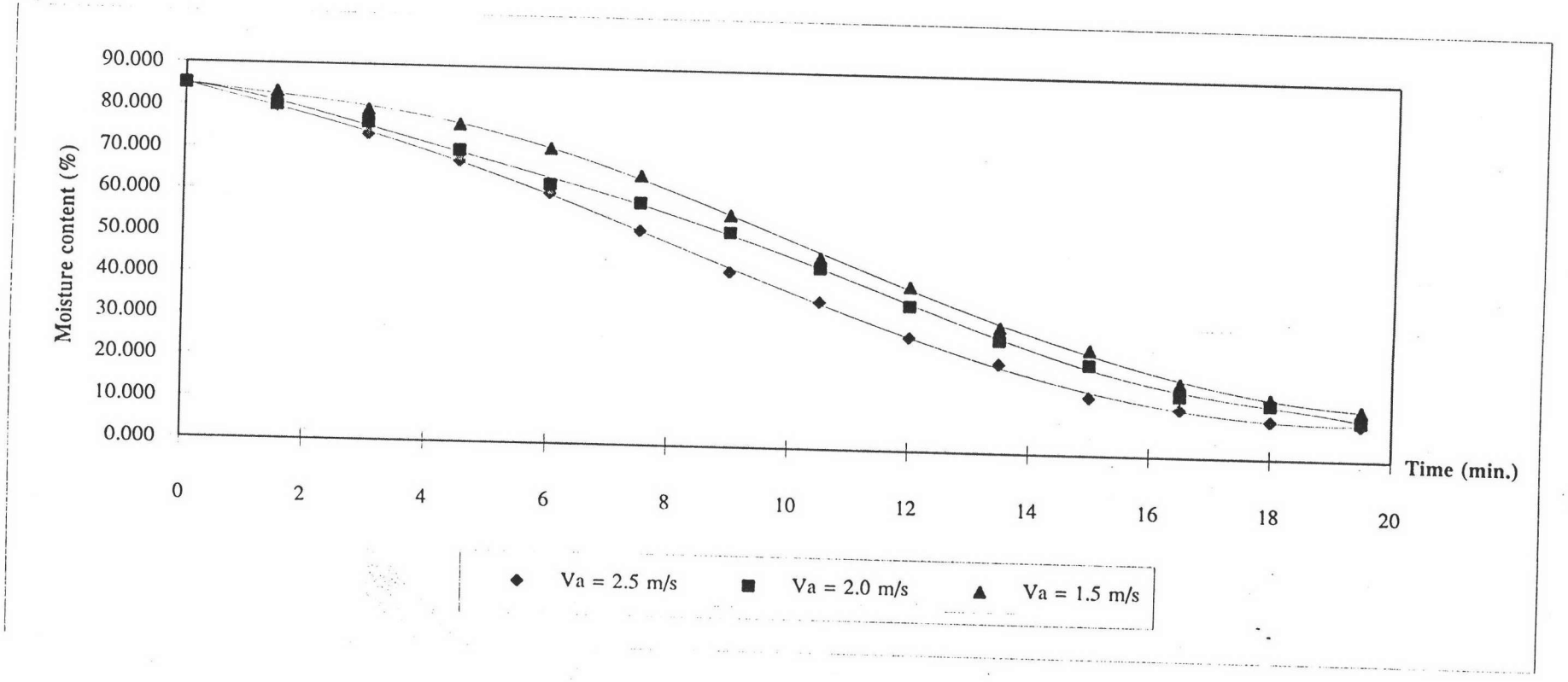


TABLE B-2.06

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 90.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
2	78.552	80.215	81.800
4	70.086	74.108	75.001
6	58.160	63.281	70.486
8	47.476	54.083	60.339
10	36.053	43.117	48.216
12	27.819	33.797	36.151
14	18.121	24.237	27.523
16	12.922	18.950	20.396
18	8.618	10.981	13.141
20	7.554	9.523	10.599

Fig. B-2.06

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 90.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

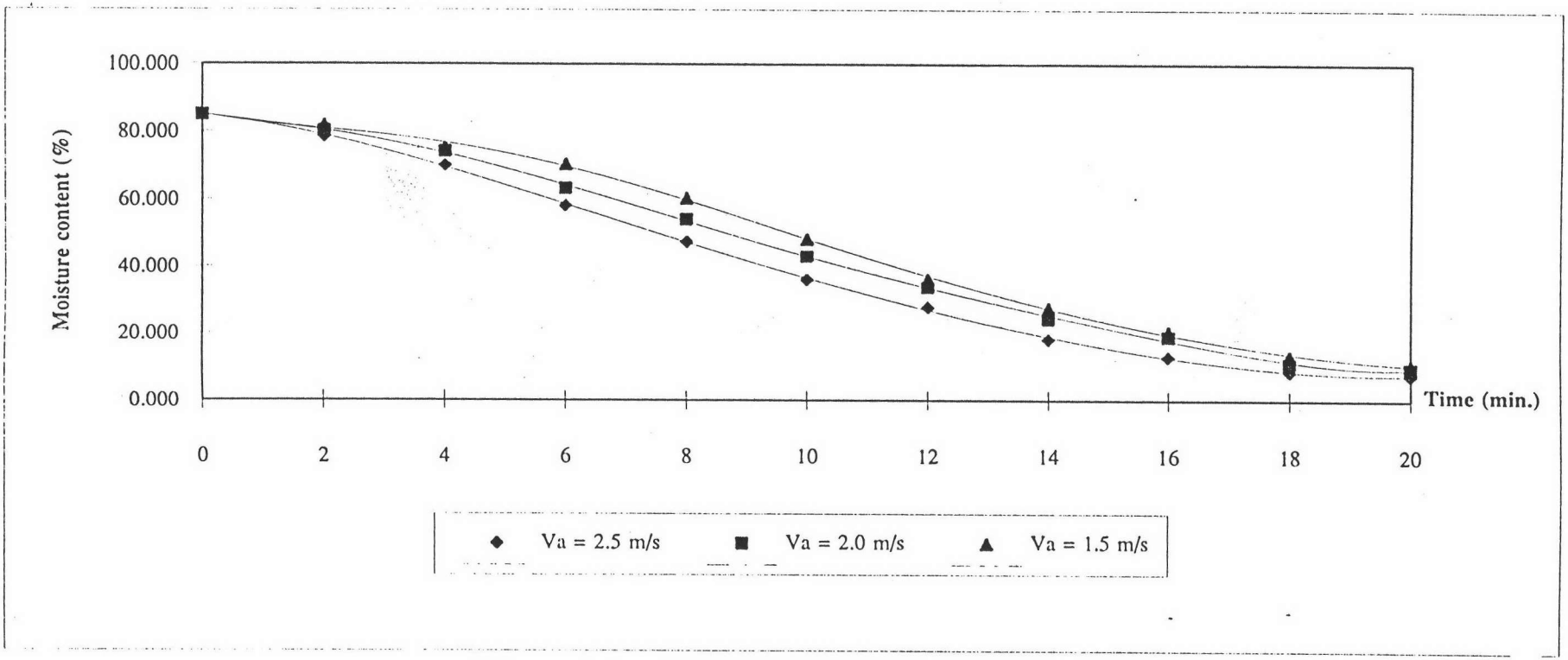


TABLE B-2.07

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot arir temp. ; T = 80.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1	83.530	84.630	84.782
2	81.216	83.069	83.052
3	79.658	80.814	82.859
4	76.020	79.519	81.698
5	74.606	76.718	79.799
6	69.982	74.096	77.203
7	65.261	70.608	75.100
8	62.005	69.881	71.715
9	55.734	65.083	68.353
10	51.546	60.742	64.401
11	45.017	55.206	60.699
12	40.106	50.308	55.846
13	35.592	45.012	50.715
14	29.208	38.908	44.556
15	26.903	33.493	41.914
16	22.453	28.692	34.423
17	20.649	24.103	32.443
18	15.021	19.618	27.455
19	12.521	18.316	24.689
20	12.013	17.117	21.345
21	11.193	15.733	18.954
22	9.600	11.670	15.021
23	8.642	10.510	14.718
24	8.394	9.671	12.577
25	7.520	9.266	12.313
26	7.520	8.997	12.006
27	7.011	8.927	11.228
28	6.707	8.909	11.204
29	6.428	8.811	11.117
30	5.019	8.850	10.954

Fig. B-2.07

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot arir temp. ; T = 80.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.0 min

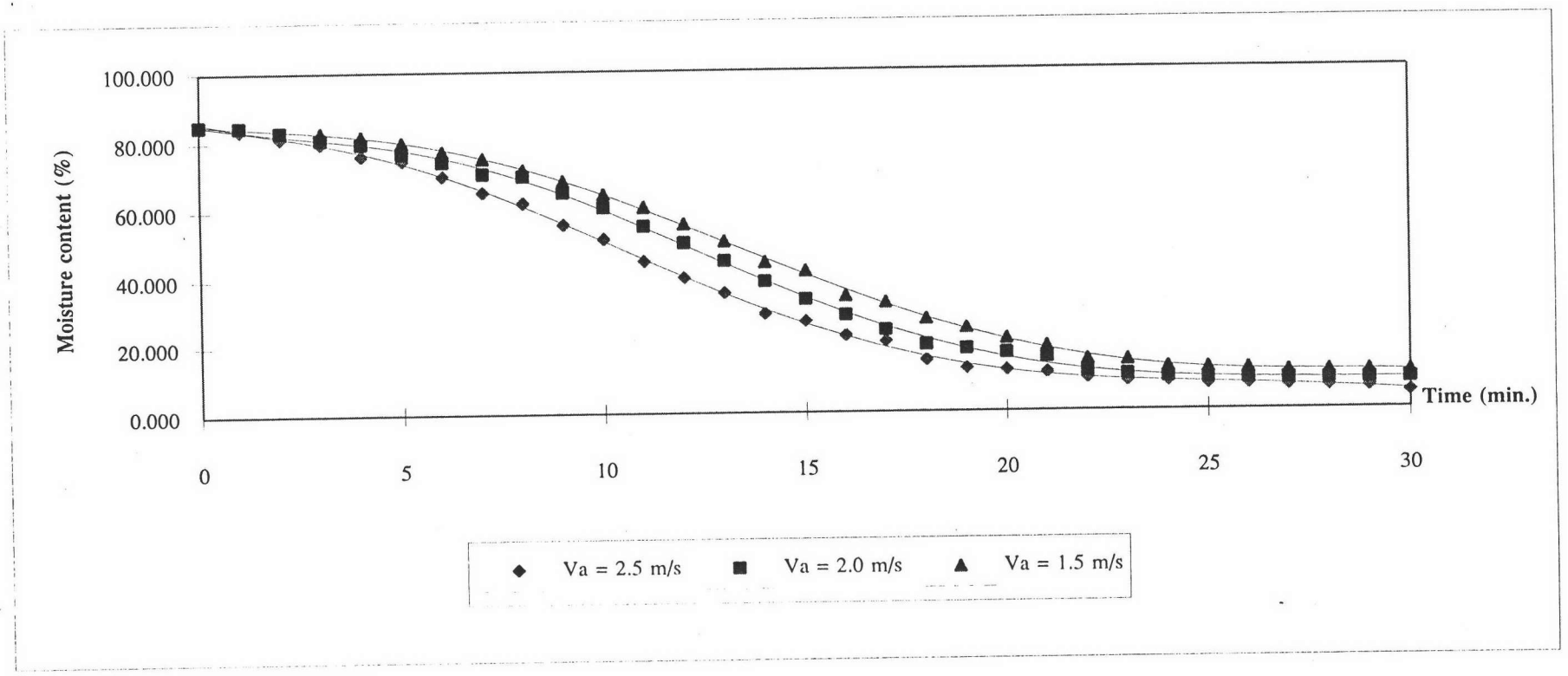


TABLE B-2.08

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 80.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

Time	Moisture content (%)		
(min.)	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1.5	82.537	83.893	84.755
3	80.077	81.286	82.849
4.5	75.710	78.655	80.355
6	72.973	75.955	77.857
7.5	61.793	70.642	74.923
9	56.043	63.776	67.984
10.5	50.592	58.359	62.285
12	40.114	50.219	55.647
13.5	34.803	43.302	49.956
15	26.415	35.520	40.338
16.5	20.923	29.204	35.564
18	15.082	21.906	26.221
19.5	13.518	18.699	22.219
21	10.282	15.050	19.543
22.5	8.724	10.699	16.511
24	8.166	10.177	12.094
25.5	7.476	9.612	11.668
27	7.287	9.275	11.319
28.5	6.996	8.717	10.717
30	6.711	8.599	10.506

Fig. B-2.08

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 80.0 Deg. C

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

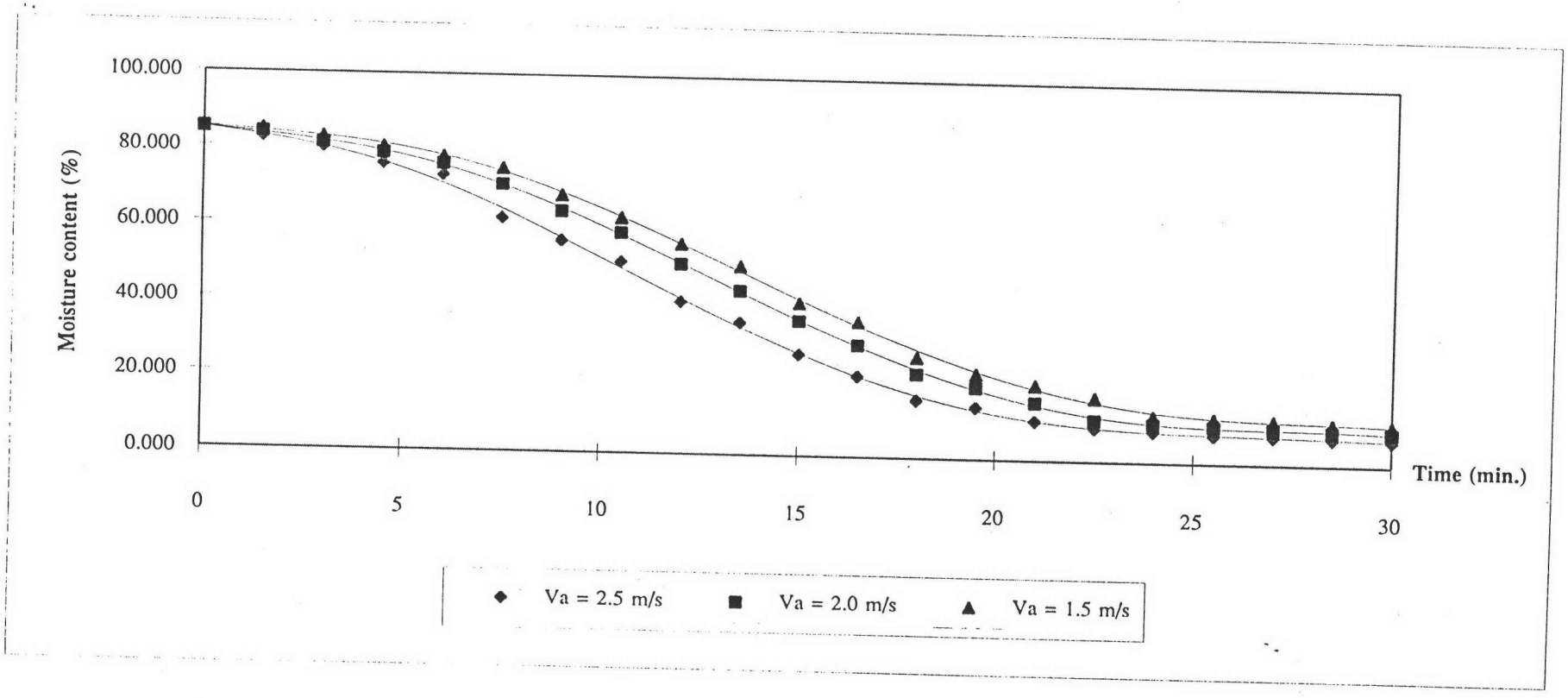


TABLE B-2.09

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 80.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

Time	Moisture content (%)		
(min.)	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.03	85.03	85.03
2	80.54	83.10	84.44
4	77.75	79.98	82.45
6	69.72	75.80	77.14
8	63.53	69.38	74.91
10	50.55	58.85	63.15
12	40.59	50.55	55.31
14	31.41	38.72	47.42
16	22.25	28.22	36.97
18	18.26	24.13	28.10
20	14.01	18.53	23.36
22	9.56	12.08	18.61
24	8.87	10.36	12.06
26	7.84	9.95	11.74
28	7.10	9.66	11.31
30	6.36	9.25	10.79

Fig. B-2.09

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 80.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

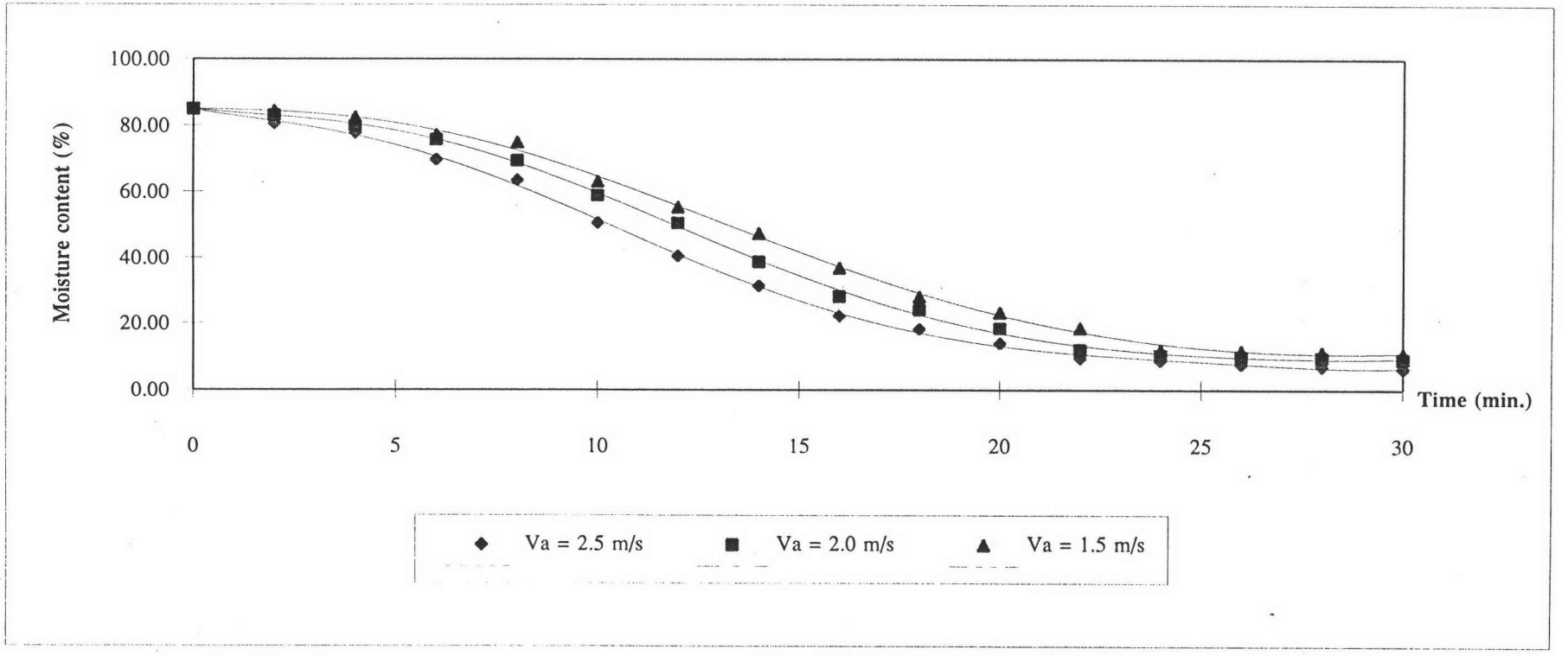


TABLE B-2.10

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot arir temp. ; T = 70.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%) .		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1	83.303	84.540	84.646
2	82.980	83.558	84.296
3	80.719	82.742	83.882
4	80.217	81.316	82.149
5	78.913	80.492	81.417
6	76.448	78.783	80.156
7	74.526	76.033	78.523
8	72.993	74.593	77.920
9	69.940	72.938	75.704
10	64.486	68.953	74.494
11	60.830	64.034	70.695
12	57.700	60.140	66.636
13	54.704	57.846	65.559
14	50.253	54.921	63.734
15	47.400	50.639	59.249
16	44.996	47.594	54.085
17	40.740	44.254	50.900
18	36.155	40.355	46.306
19	32.816	38.540	42.751
20	28.300	34.253	38.684
21	26.877	31.349	34.044
22	23.818	28.395	30.353
23	20.608	25.105	28.827
24	18.190	22.731	24.157
25	16.560	20.652	22.842
26	14.957	18.700	20.498
27	12.649	16.136	17.708
28	11.516	15.375	15.898
29	10.759	12.624	13.257
30	10.006	11.856	12.221

Fig. B-2.10

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot arir temp. ; T = 70.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.0 min

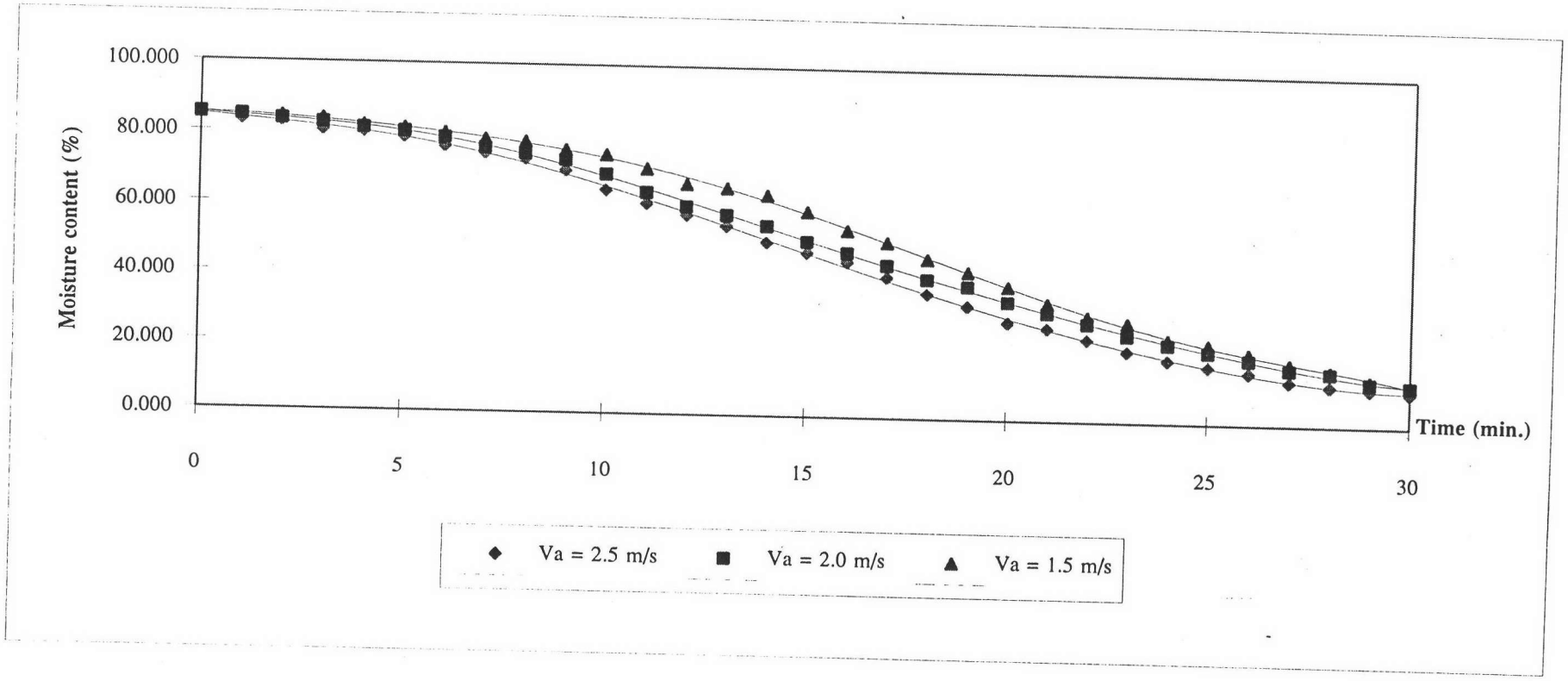


TABLE B-2.11

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 70.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1.5	82.555	83.803	84.970
3	79.353	82.016	83.796
4.5	76.308	80.558	82.450
6	71.663	79.289	80.924
7.5	67.348	76.440	78.105
9	63.736	71.942	75.995
10.5	56.403	68.550	70.910
12	51.334	62.393	66.920
13.5	46.426	58.259	62.055
15	41.673	52.550	56.052
16.5	35.449	46.634	50.919
18	28.719	42.643	44.343
19.5	23.494	36.216	40.301
21	18.387	30.059	36.816
22.5	13.402	25.043	30.454
24	11.112	20.937	26.848
25.5	9.621	16.831	22.842
27	9.291	13.157	18.252
28.5	8.997	11.922	16.595
30	8.288	10.336	14.638

Fig. B-2.11

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 70.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

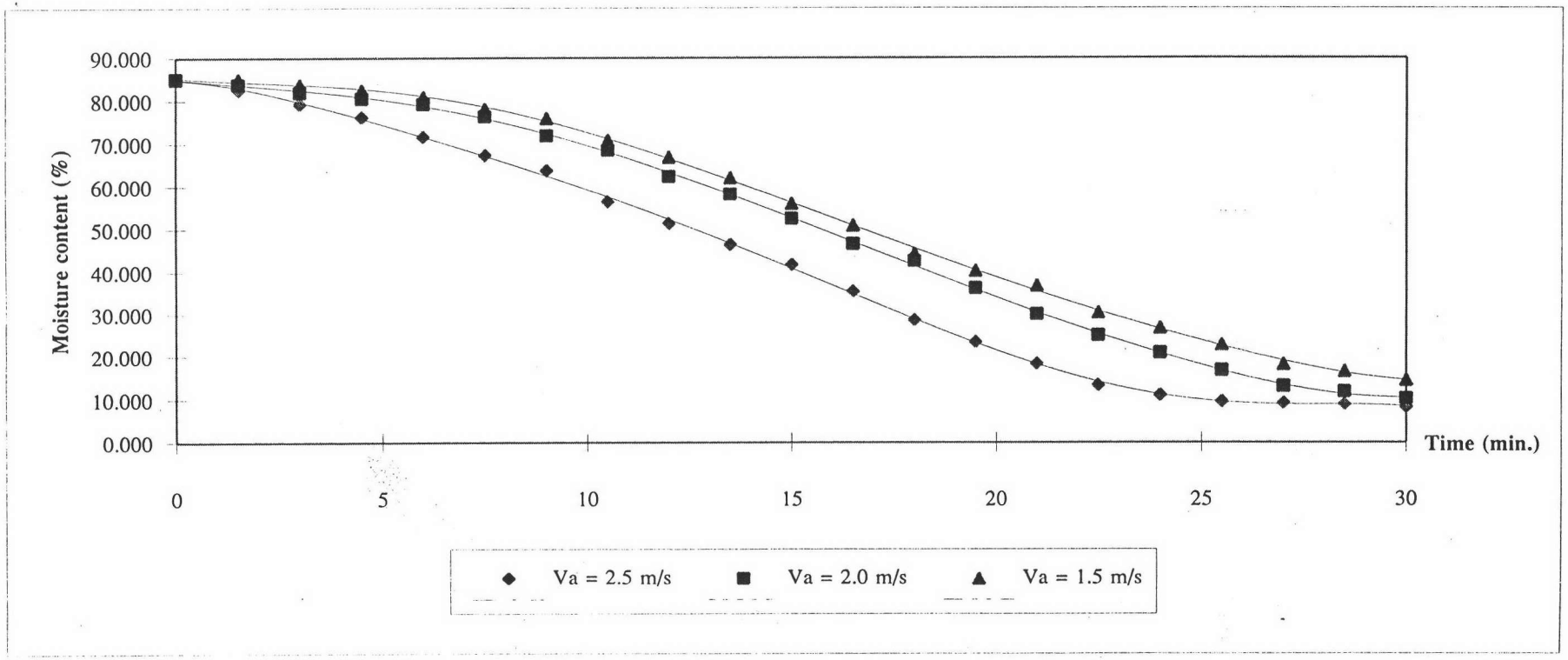


TABLE B-2.12

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 70.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
2	82.925	84.144	85.000
4	78.096	82.297	84.275
6	74.510	78.478	81.342
8	70.614	74.243	77.588
10	64.454	68.938	74.373
12	56.441	64.630	68.533
14	51.740	56.081	61.129
16	44.114	50.053	56.340
18	36.625	43.336	48.001
20	28.002	36.734	42.037
22	20.602	32.824	34.249
24	16.065	26.453	28.019
26	14.000	22.218	22.319
28	11.400	16.159	16.334
30	10.125	11.355	12.930

Fig. B-2.12

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 70.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

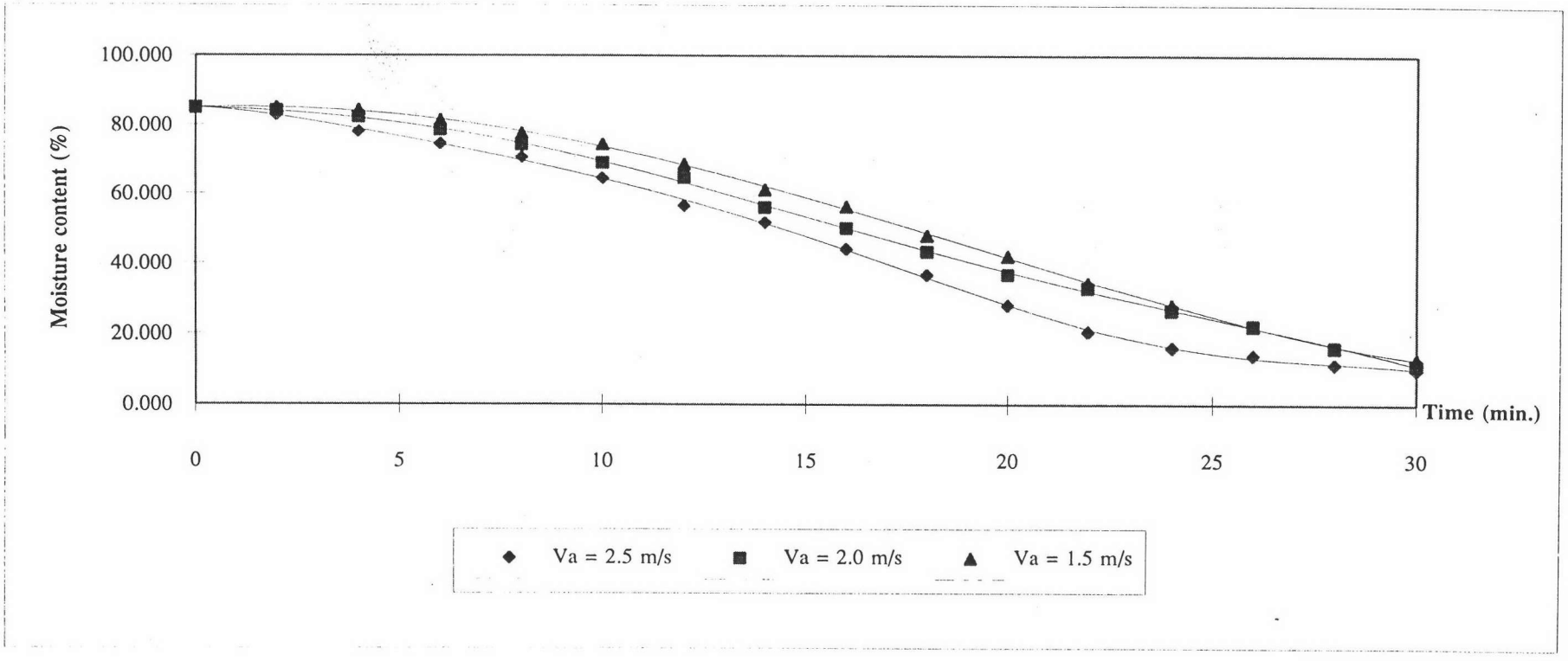


TABLE B-2.13

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot arir temp. ; T = 60.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1	84.730	84.909	85.034
2	83.938	84.523	85.000
3	82.502	84.102	84.610
4	81.568	83.443	83.907
5	80.047	82.098	83.356
6	78.188	82.207	82.194
7	76.214	80.002	81.351
8	74.747	78.596	80.517
9	72.524	76.407	77.841
10	69.084	74.905	76.854
11	66.025	72.789	73.529
12	64.693	70.809	71.099
13	61.402	67.875	69.361
14	58.702	65.643	67.297
15	55.449	61.313	63.601
16	52.902	58.548	60.552
17	48.855	54.196	58.610
18	45.488	50.339	53.995
19	42.448	46.536	50.479
20	38.216	43.752	48.148
21	34.552	40.231	44.078
22	30.605	36.134	40.883
23	28.756	32.001	36.836
24	25.385	29.016	33.695
25	22.644	24.732	30.474
26	18.046	20.613	26.725
27	15.330	17.393	22.991
28	13.254	14.601	19.389
29	12.709	12.995	16.133
30	11.440	11.541	13.624

Fig. B-2.13

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot arir temp. ; T = 60.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.0 min

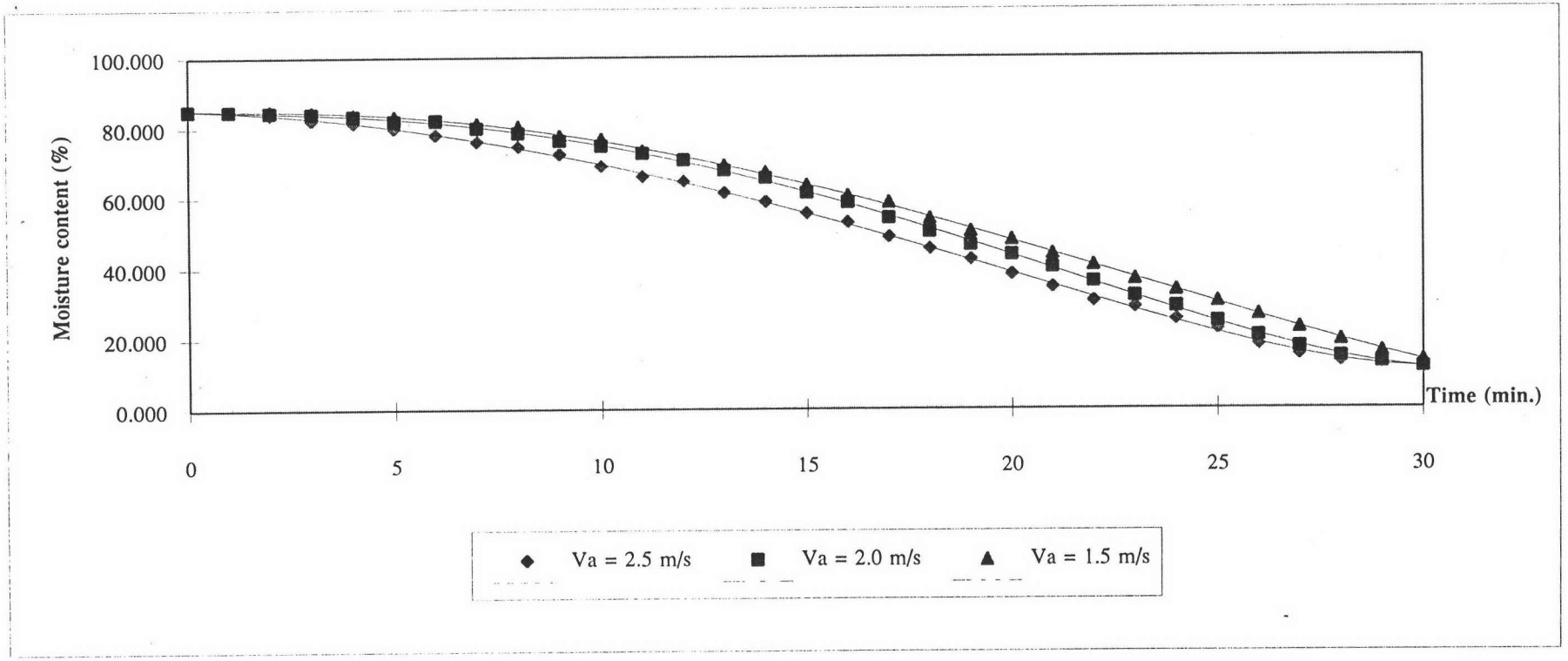


TABLE B-2.14

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 60.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%) Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
1.5	84.209	84.439	84.715
3	82.216	83.064	84.146
4.5	81.983	82.546	83.995
6	80.298	81.107	83.037
7.5	78.702	80.779	82.601
9	74.112	78.972	80.698
10.5	70.346	74.324	78.214
12	64.955	71.650	74.337
13.5	60.207	67.506	70.558
15	56.700	63.098	66.812
16.5	50.409	59.743	61.210
18	46.345	53.047	55.229
19.5	41.440	48.552	48.110
21	36.979	42.538	44.040
22.5	29.829	36.946	38.503
24	24.331	30.987	31.538
25.5	20.346	24.041	28.840
27	16.395	19.402	23.612
28.5	14.892	15.610	18.239
30	12.784	12.091	13.902

Fig. B-2.14

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 60.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

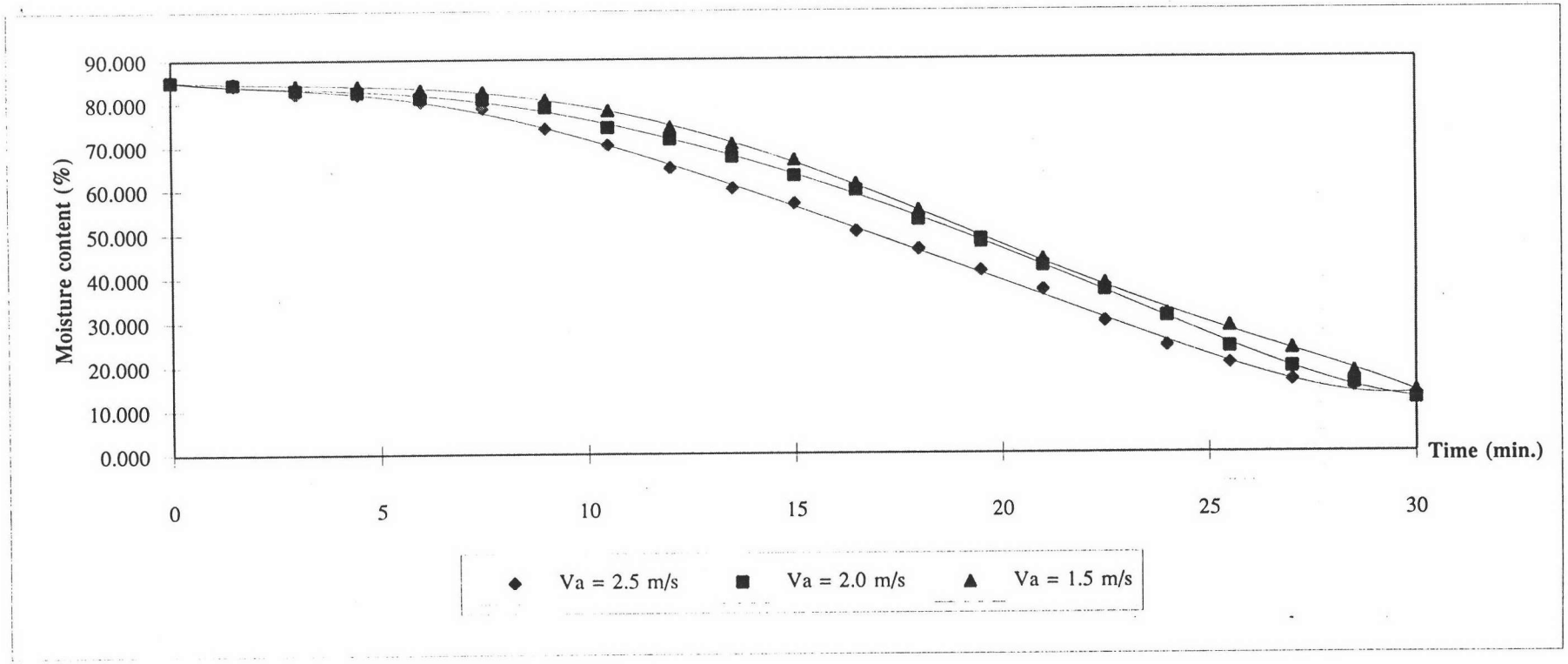


TABLE B-2.15

Show comparision of moisture content of veneer during drying at each velocity of hot air ; Va

Hot air temp. ; T = 60.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

Time (min.)	Moisture content (%)		
	Hot Air Velocity		
Time	Va = 2.5 m/s	Va = 2.0 m/s	Va = 1.5 m/s
0	85.034	85.034	85.034
2	84.627	84.794	84.237
4	82.275	84.037	83.738
6	80.012	82.708	82.233
8	76.827	80.476	80.916
10	72.046	74.197	76.292
12	66.754	70.508	71.141
14	60.139	64.138	66.401
16	52.331	56.827	61.242
18	46.136	50.131	54.182
20	40.025	42.731	47.635
22	32.358	34.002	40.293
24	24.377	26.833	32.339
26	18.550	20.864	26.733
28	14.601	15.801	18.010
30	10.778	12.890	12.084

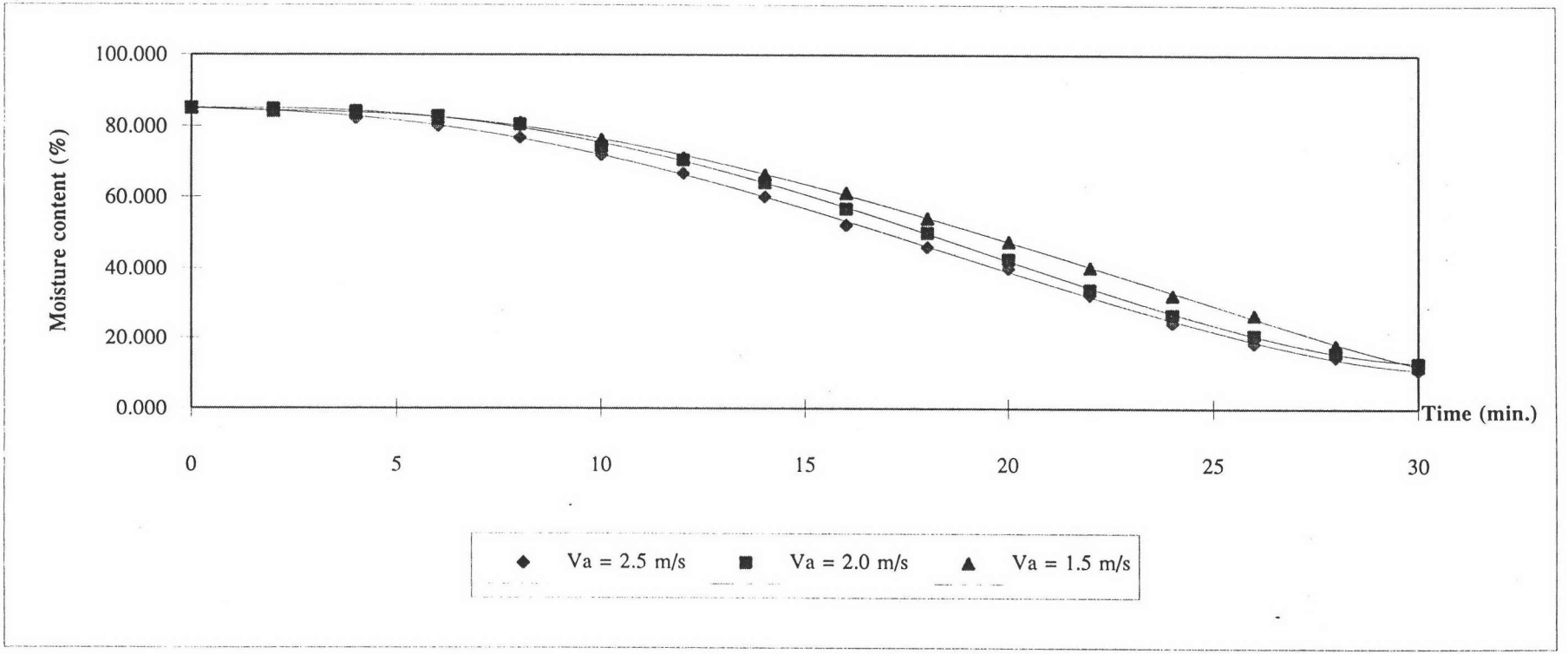
Fig. B-2.15

Show comparision of moisture content of veneer during drying at velocity of hot air ; Va = 2.5, 2.0 and 1.5 m/s

Hot air temp. ; T = 60.0 Deg. C

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 2.0 min.



Appendix C

Table and Figure show Comparision of Moisture Content of Veneer during Drying at Each Hot Air Temperature ; T

TABLE C-1.01

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 1.5 m/s.

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
1	78.922	80.247	83.041	84.747	84.511
2	72.485	77.553	81.512	83.840	84.112
3	63.999	72.040	77.949	82.495	83.854
4	54.973	67.335	74.653	80.251	83.257
5	45.010	60.414	70.818	79.754	82.957
6	39.110	54.147	67.291	77.034	82.471
7	32.396	48.974	63.085	75.715	81.985
8	28.302	42.001	59.635	72.139	79.959
9	22.634	36.009	55.412	69.788	78.897
10	18.595	31.067	50.109	67.543	75.253
11	15.883	27.483	46.212	66.993	72.317
12	12.231	23.984	42.656	60.418	69.419
13	10.855	20.795	38.362	57.190	67.655
14	9.745	18.736	34.542	55.561	63.119
15	8.496	15.693	30.128	52.946	58.603
16	7.719	15.021	26.727	48.194	57.853
17		12.545	22.317	45.959	54.944
18		11.953	19.159	40.553	48.247
19		10.033	16.321	36.392	45.609
20		9.279	12.771	32.253	41.641
21			11.575	27.544	39.230
22			10.735	24.663	35.894
23			10.475	20.171	31.409
24			10.128	17.192	28.499
25			9.939	15.455	24.823
26			9.615	12.981	21.492
27			9.321	10.813	19.293
28			9.024	10.345	15.836
29			8.898	9.955	13.356
30			8.875	9.923	10.557

Fig. C-1.01

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 1.5 m/s.

Thickness of venee ; t = 1.5 mm.

Resident time ; dt = 1.0 min.

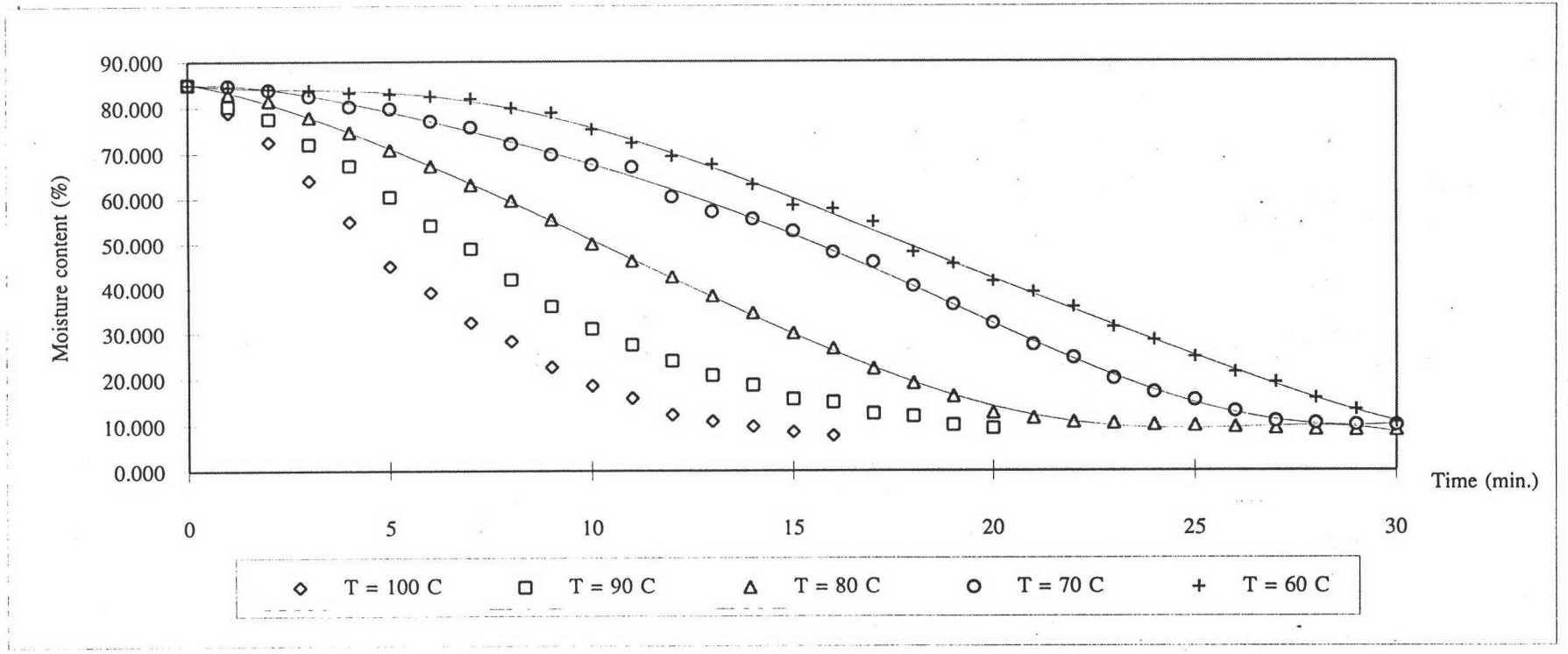


TABLE C-1.02

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 1.5 m/s.

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
1.5	75.199	80.896	80.956	84.210	85.900
3	62.220	72.982	77.126	82.055	84.440
4.5	50.668	65.958	72.740	80.521	83.761
6	38.452	53.149	68.508	77.330	81.681
7.5	30.262	45.064	61.275	74.799	80.523
9	22.474	35.431	55.534	69.601	78.846
10.5	17.354	29.243	48.828	65.743	74.955
12	12.858	24.537	42.183	61.240	69.651
13.5	9.042	19.093	35.110	57.094	65.420
15	7.822	17.659	30.088	52.495	60.993
16.5		14.900	26.618	45.845	56.985
18		11.057	19.589	39.606	48.423
19.5		10.359	15.099	35.069	44.225
21			11.611	28.037	39.647
22.5			10.547	23.300	34.300
24			9.988	17.578	26.225
25.5			9.807	14.858	24.488
27			9.744	11.556	18.223
28.5			9.595	10.520	15.481
30			9.296	9.315	10.869

Fig. C-1.02

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 1.5 m/s.

Thickness of venee ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

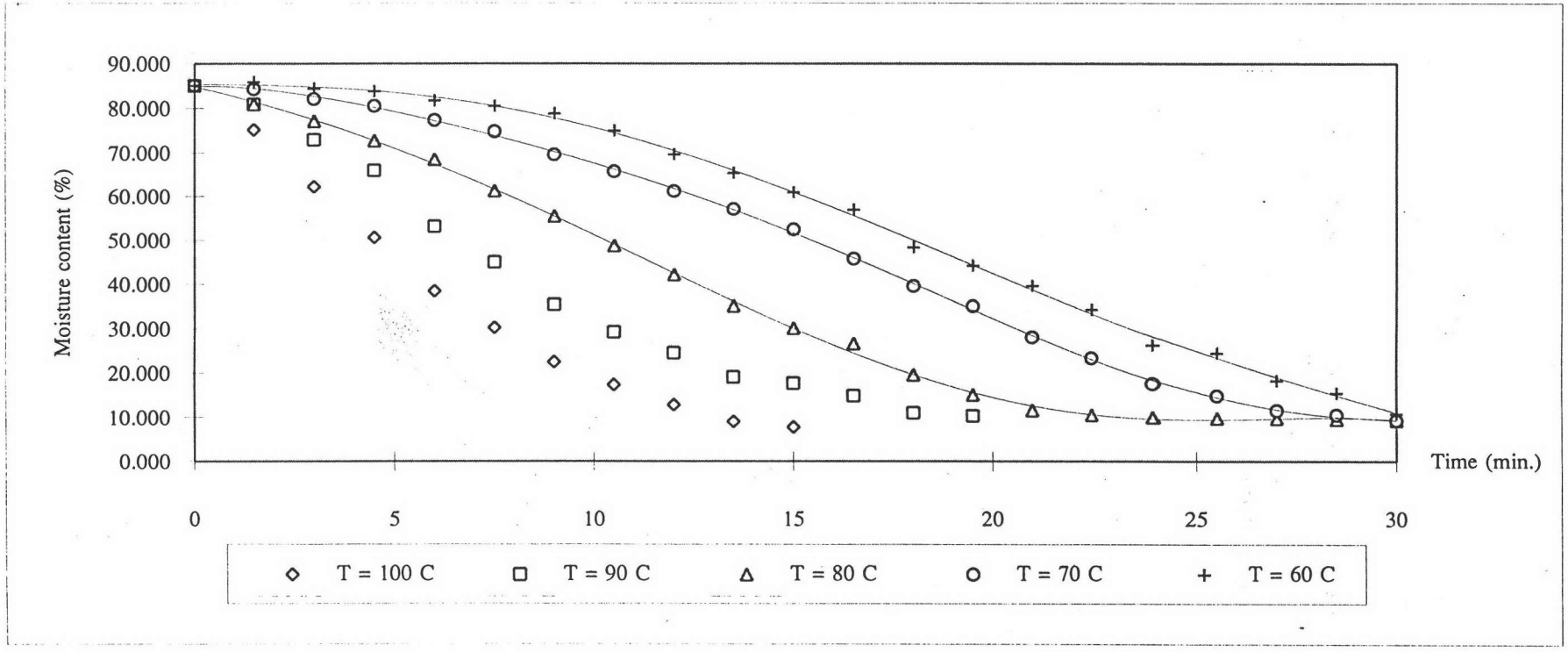


TABLE C-1.03

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 1.5 m/s.

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
2	70.243	77.879	80.965	82.787	84.159
4	53.023	67.435	75.100	80.296	83.516
6	38.162	54.535	67.187	78.064	82.740
8	27.307	42.821	59.385	73.483	79.853
10	18.342	32.171	50.377	70.412	75.741
12	13.686	24.079	42.760	61.123	68.617
14	8.642	18.505	35.071	55.264	62.712
16	7.617	14.985	27.502	49.864	56.905
18		11.919	22.805	40.314	50.281
20		9.682	19.332	31.786	42.755
22			14.520	24.671	35.156
24			10.151	20.600	28.442
26			9.982	16.843	21.000
28			9.632	10.950	14.714
30			9.328	9.971	10.979

Fig. C-1.03

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 1.5 m/s.

Thickness of venee ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

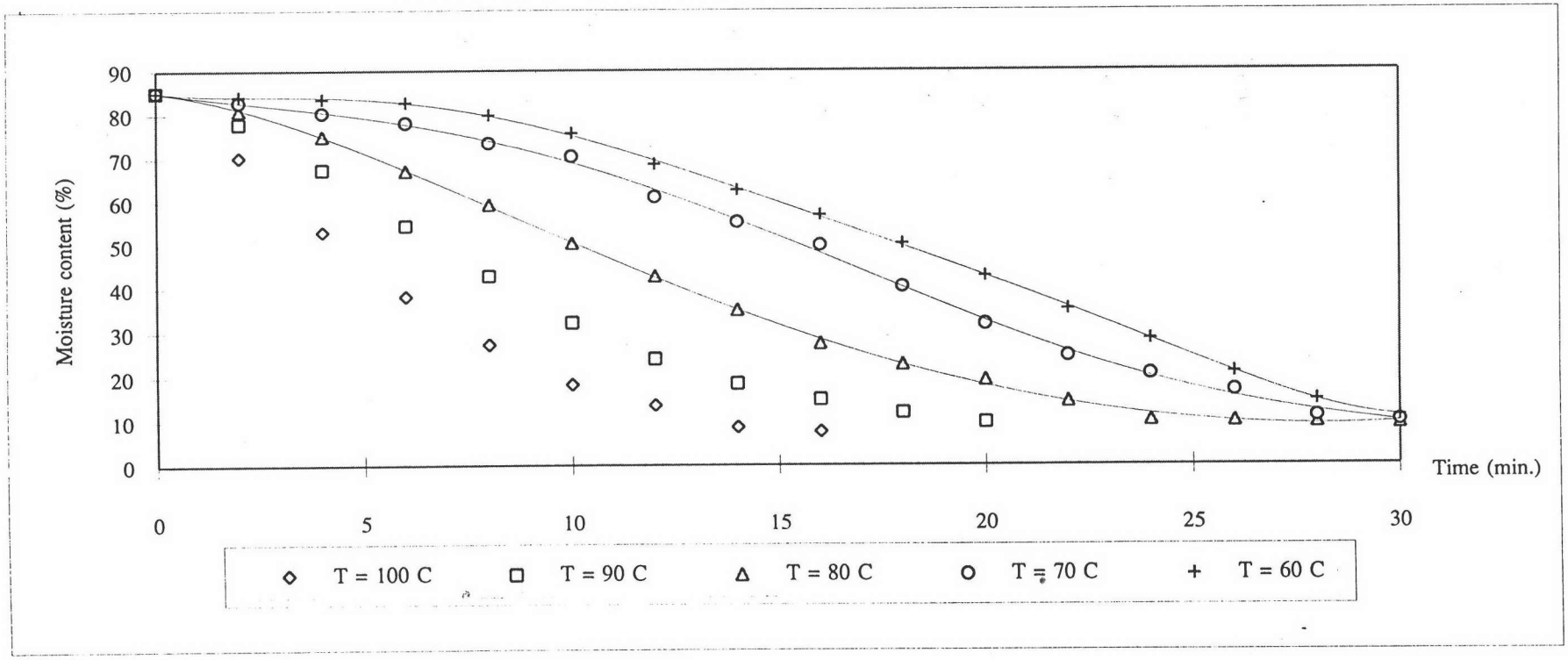


TABLE C-1.04

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.0 m/s.

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
1	77.640	80.409	83.097	84.378	84.353
2	68.643	76.375	80.705	83.023	83.314
3	60.877	70.634	76.426	81.003	82.000
4	50.126	65.755	72.994	79.014	81.707
5	42.964	58.069	68.641	78.221	81.109
6	35.593	52.431	64.399	75.507	80.749
7	29.392	45.166	60.242	72.895	77.753
8	22.034	38.752	55.470	70.140	75.708
9	19.240	33.238	51.402	67.422	72.293
10	15.865	27.776	47.203	63.059	70.542
11	13.922	24.133	42.058	59.257	67.638
12	10.539	20.734	38.366	55.856	63.146
13	9.535	18.260	35.375	53.789	61.446
14	8.543	15.012	30.733	51.655	58.418
15	7.193	13.134	27.588	47.393	56.498
16	6.721	10.896	23.906	42.241	53.158
17		10.589	19.837	39.850	49.398
18		9.813	16.914	35.703	44.730
19		8.410	13.764	32.361	41.441
20		8.029	10.256	28.545	37.357
21			9.835	25.154	33.770
22			9.703	20.623	27.816
23			9.510	18.684	24.950
24			9.475	15.645	22.244
25			9.284	13.943	19.399
26			8.613	10.797	16.007
27			8.465	9.691	14.125
28			8.208	9.243	12.119
29			8.060	8.805	11.520
30			7.481	8.068	9.862

Fig. C-1.04

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.0 m/s.

Thickness of venee ; t = 1.5 mm.

Resident time ; dt = 1.0 min.

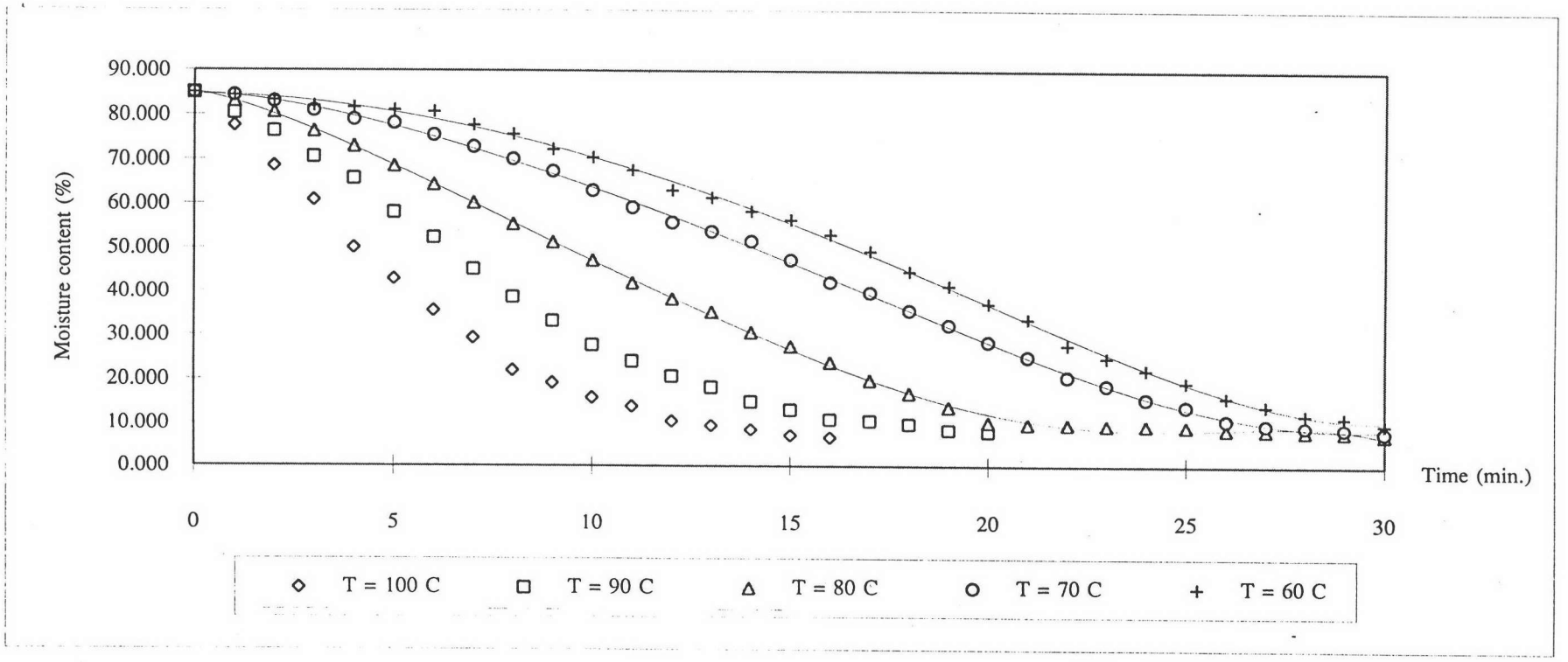


TABLE C-1.05

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.0 m/s.

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
1.5	73.777	78.807	79.511	83.855	83.993
3	58.138	70.013	76.123	81.690	80.610
4.5	47.845	61.075	70.918	79.055	79.910
6	34.131	51.543	64.907	74.041	78.940
7.5	27.302	43.198	57.116	71.691	75.921
9	19.811	32.297	51.020	67.857	74.453
10.5	14.042	25.578	45.240	62.519	68.320
12	10.353	21.808	38.733	57.193	65.417
13.5	8.621	17.395	32.091	53.594	60.858
15	7.029	13.290	25.666	48.545	55.451
16.5		11.752	21.477	40.783	50.108
18		8.355	16.490	35.881	45.252
19.5		7.729	12.148	30.734	39.411
21			9.984	24.186	32.431
22.5			9.483	18.397	27.356
24			9.180	15.593	23.746
25.5			8.840	12.622	18.657
27			8.639	10.732	14.886
28.5			9.326	9.818	11.889
30			8.065	9.052	10.147

Fig. C-1.05

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.0 m/s.

Thickness of venee ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

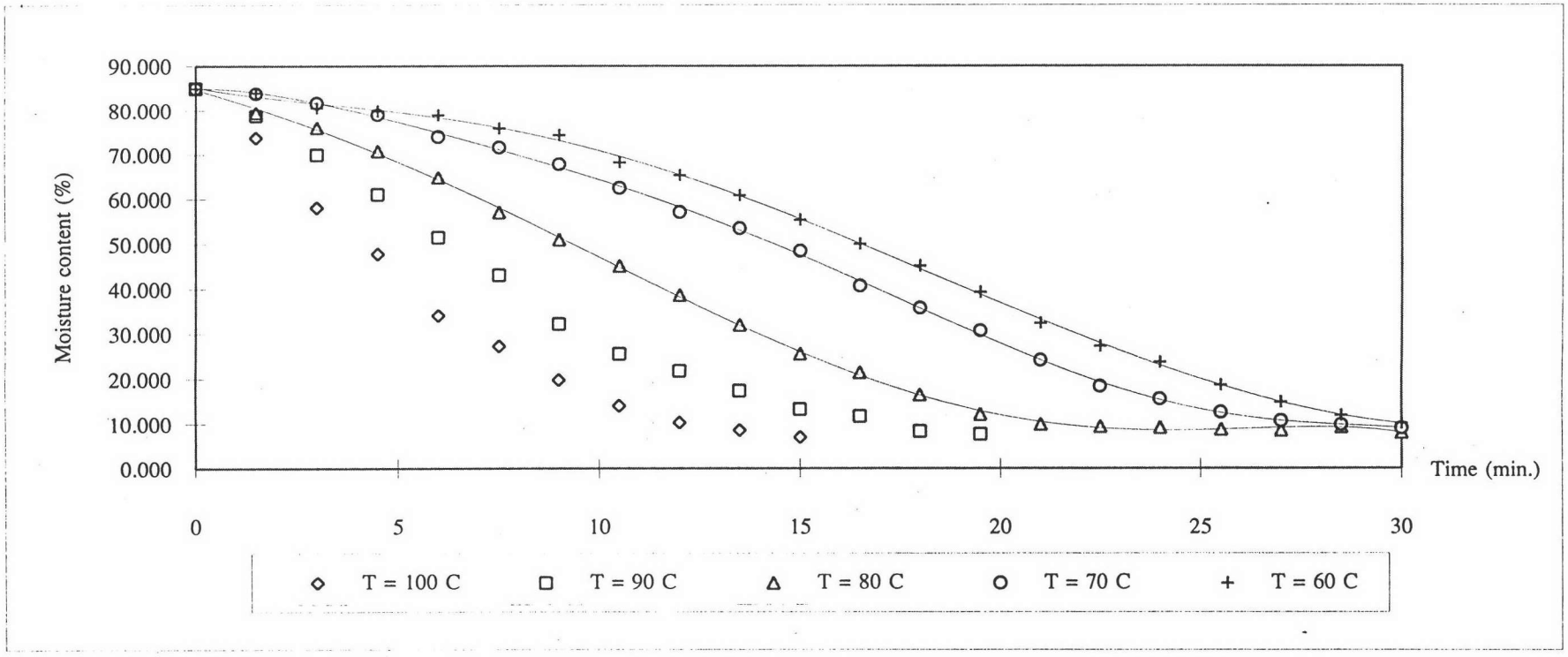


TABLE C-1.06

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.0 m/s.

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
2	68.16	76.894	79.433	81.809	83.807
4	50.384	65.849	72.022	79.160	82.305
6	35.356	52.953	64.178	75.005	79.697
8	23.458	38.996	55.131	70.039	75.523
10	15.049	28.947	47.012	65.247	70.672
12	10.294	21.955	38.124	57.708	64.688
14	7.883	15.658	30.817	50.308	59.316
16	6.524	11.818	25.084	45.716	52.114
18		9.256	17.587	35.817	45.176
20		8.793	15.300	30.000	35.715
22			11.530	24.300	28.694
24			9.744	19.700	22.620
26			8.571	16.000	15.591
28			7.904	12.000	11.875
30			7.589	9.264	10.142

Fig. C-1.06

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.0 m/s.

Thickness of venee ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

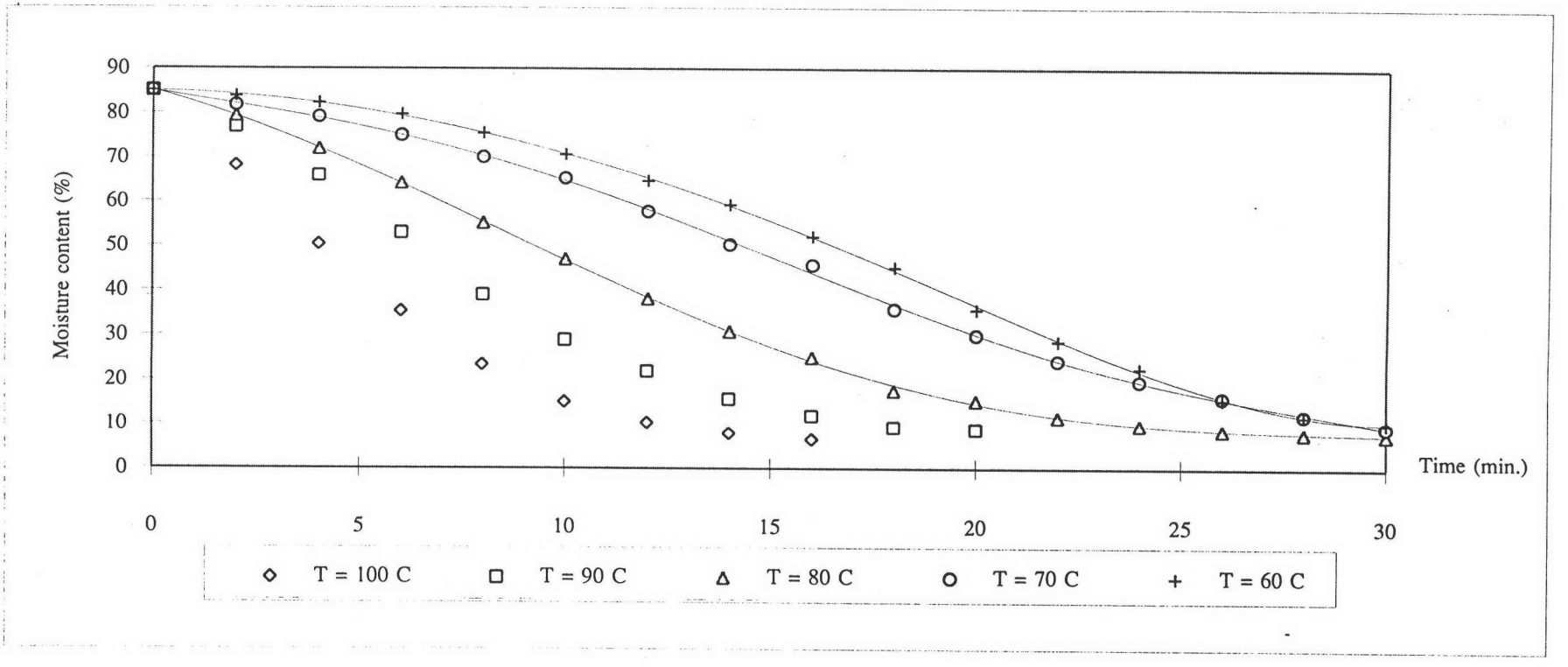


TABLE C-1.07

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.5 m/s.

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
1	75.831	80.501	82.917	83.175	83.746
2	64.823	75.966	80.510	81.959	81.450
3	54.064	69.933	75.810	79.188	80.813
4	42.466	63.572	70.177	78.771	79.857
5	35.006	56.135	66.210	73.506	78.696
6	29.047	49.217	62.738	70.055	76.917
7	23.290	40.948	58.092	69.581	72.761
8	19.476	34.685	52.670	65.771	69.700
9	13.093	28.309	48.469	62.729	68.240
10	12.670	22.539	42.315	58.617	64.209
11	10.399	19.831	38.503	53.442	61.208
12	8.745	14.148	33.139	50.050	60.588
13	8.292	13.075	29.106	48.364	56.293
14	7.574	10.282	25.160	44.116	53.110
15	6.854	9.505	21.262	40.551	48.943
16	6.193	7.106	18.570	37.860	48.106
17		6.819	15.058	32.759	44.271
18		6.437	12.380	28.604	40.341
19		6.222	10.637	25.016	36.661
20		6.021	9.774	21.521	31.314
21			8.752	18.816	30.430
22			8.272	15.711	25.896
23			7.917	12.959	22.350
24			7.710	10.320	19.135
25			7.594	9.531	15.792
26			7.444	8.941	12.390
27			7.350	8.348	11.950
28			7.211	7.749	10.234
29			6.787	7.154	8.940
30			6.491	6.280	7.318

Fig. C-1.07

Show comparison of moisture content of veneer during drying at each hot air temperature ; T·

Hot air velocity ; Va = 2.5 m/s.

Thickness of venee ; t = 1.5 mm.

Resident time ; dt = 1.0 min.

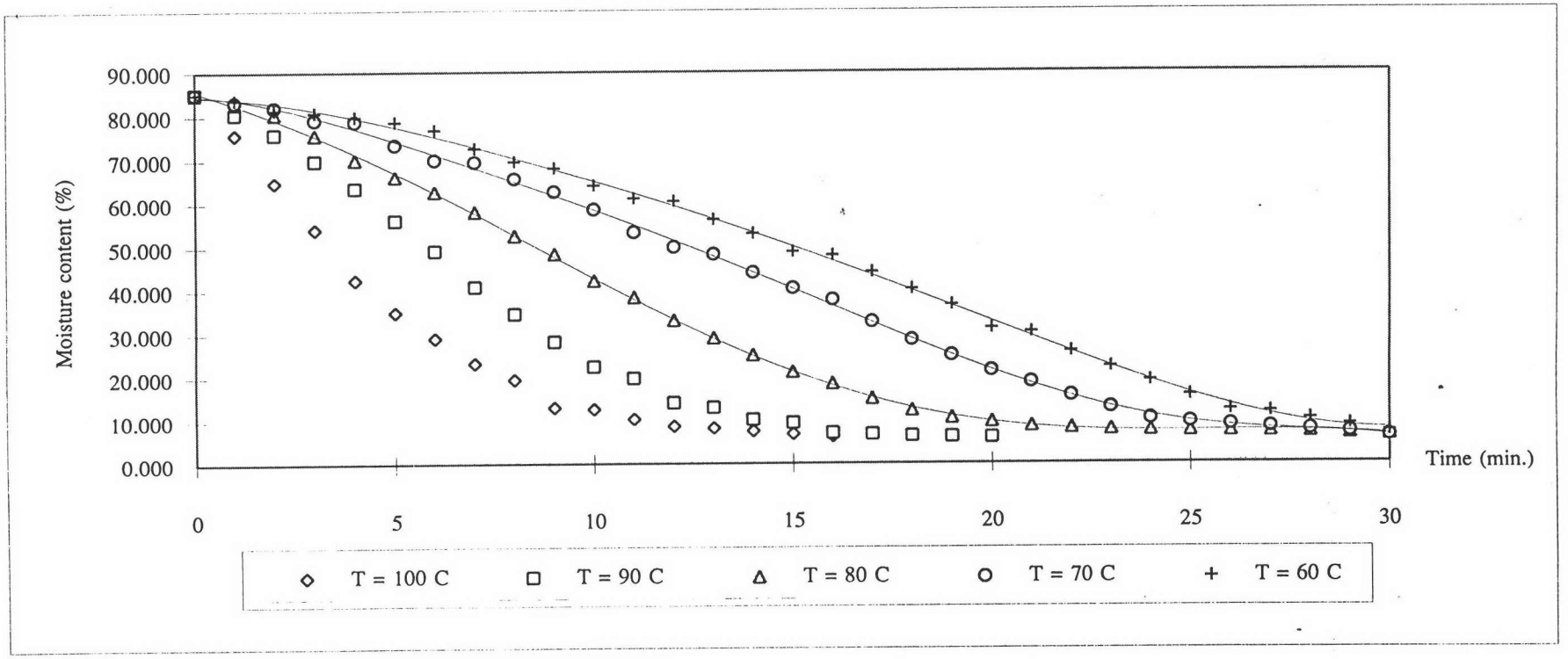


TABLE C-1.08

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.5 m/s.

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
1.5	70.173	77.739	78.591	82.555	82.454
3	56.368	69.242	75.191	79.353	79.357
4.5	40.033	60.900	69.892	76.308	77.336
6	27.035	48.909	62.249	71.663	75.723
7.5	22.208	38.550	54.897	67.348	71.695
9	15.559	29.187	47.186	63.736	66.118
10.5	11.649	25.157	40.381	56.403	65.264
12	9.578	14.233	33.490	51.334	58.295
13.5	6.293	11.070	27.922	46.426	55.246
15	6.817	8.566	20.024	41.673	50.978
16.5		8.177	18.173	35.449	46.940
18		7.957	12.798	28.719	39.273
19.5		6.836	9.636	23.494	34.942
21			8.846	18.387	29.993
22.5			8.520	13.402	23.861
24			7.674	11.112	16.840
25.5			7.480	9.621	15.360
27			7.163	9.291	11.919
28.5			6.896	8.997	9.208
30			6.070	8.288	9.010

Fig. C-1.08

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.5 m/s.

Thickness of venee ; t = 1.5 mm.

Resident time ; dt = 1.5 min.

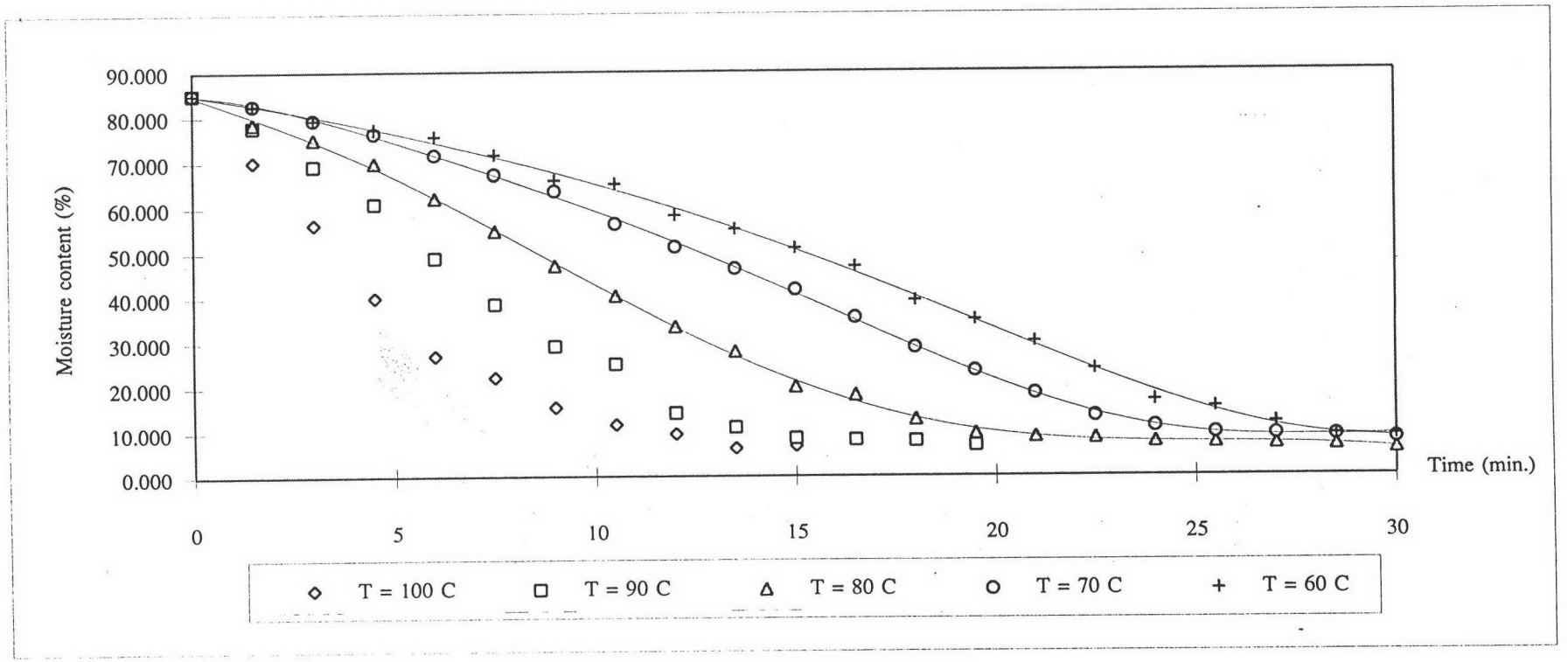


TABLE C-1.09

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.5 m/s.

Thickness of veneer ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
2	65.243	74.377	78.822	79.744	81.350
4	44.988	63.404	70.969	77.427	80.140
6	28.972	43.398	61.590	70.520	74.695
8	17.576	35.783	51.159	65.759	70.988
10	12.026	24.125	42.720	57.044	65.505
12	8.558	15.408	34.027	52.308	58.197
14	7.086	10.085	24.163	45.394	53.254
16	6.002	8.587	20.117	37.574	47.417
18		7.236	14.077	29.163	39.803
20		6.824	11.539	20.860	31.385
22			8.042	15.139	24.990
24			7.347	10.267	20.191
26			6.599	8.152	14.579
28			6.317	8.527	9.477
30			5.470	7.381	8.416

Fig. C-1.09

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.5 m/s.

Thickness of venee ; t = 1.5 mm.

Resident time ; dt = 2.0 min.

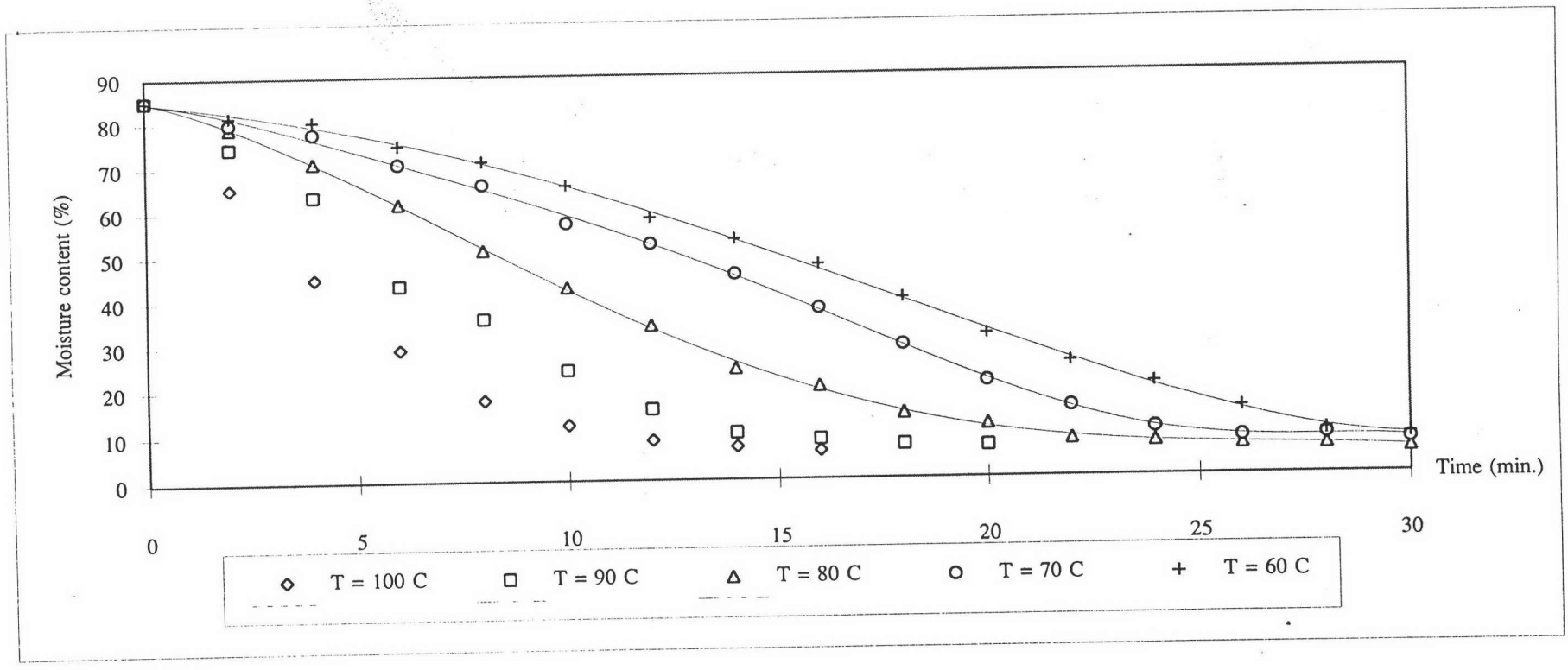


TABLE C-2.01

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 1.5 m/s.

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
1	83.567	83.791	84.782	84.646	85.034
2	79.736	80.759	83.052	84.296	85.000
3	73.282	78.881	82.859	83.882	84.610
4	68.562	75.086	81.698	82.149	83.907
5	62.687	72.751	79.799	81.417	83.356
6	56.504	69.897	77.203	80.156	82.194
7	50.066	62.392	75.100	78.523	81.351
8	44.792	59.375	71.715	77.920	80.517
9	37.699	55.499	68.353	75.704	77.841
10	32.845	49.044	64.401	74.494	76.854
11	28.100	45.878	60.699	70.695	73.529
12	23.296	38.776	55.846	66.636	71.099
13	19.020	34.042	50.715	65.559	69.361
14	16.809	27.352	44.556	63.734	67.297
15	12.403	22.699	41.914	59.249	63.601
16	9.678	20.590	34.423	54.085	60.552
17		17.292	32.443	50.900	58.610
18		14.054	27.455	46.306	53.995
19		12.450	24.689	42.751	50.479
20		11.217	21.345	38.684	48.148
21			18.954	34.044	44.078
22			15.021	30.353	40.883
23			14.718	28.827	36.836
24			12.577	24.157	33.695
25			12.313	22.842	30.474
26			12.006	20.498	26.725
27			11.228	17.708	22.991
28			11.204	15.898	19.389
29			11.117	13.257	16.133
30			10.954	12.221	13.624

Fig. C-2.01

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 1.5 m/s.

Thickness of venee ; t = 2.0 mm.

Resident time ; dt = 1.0 min.

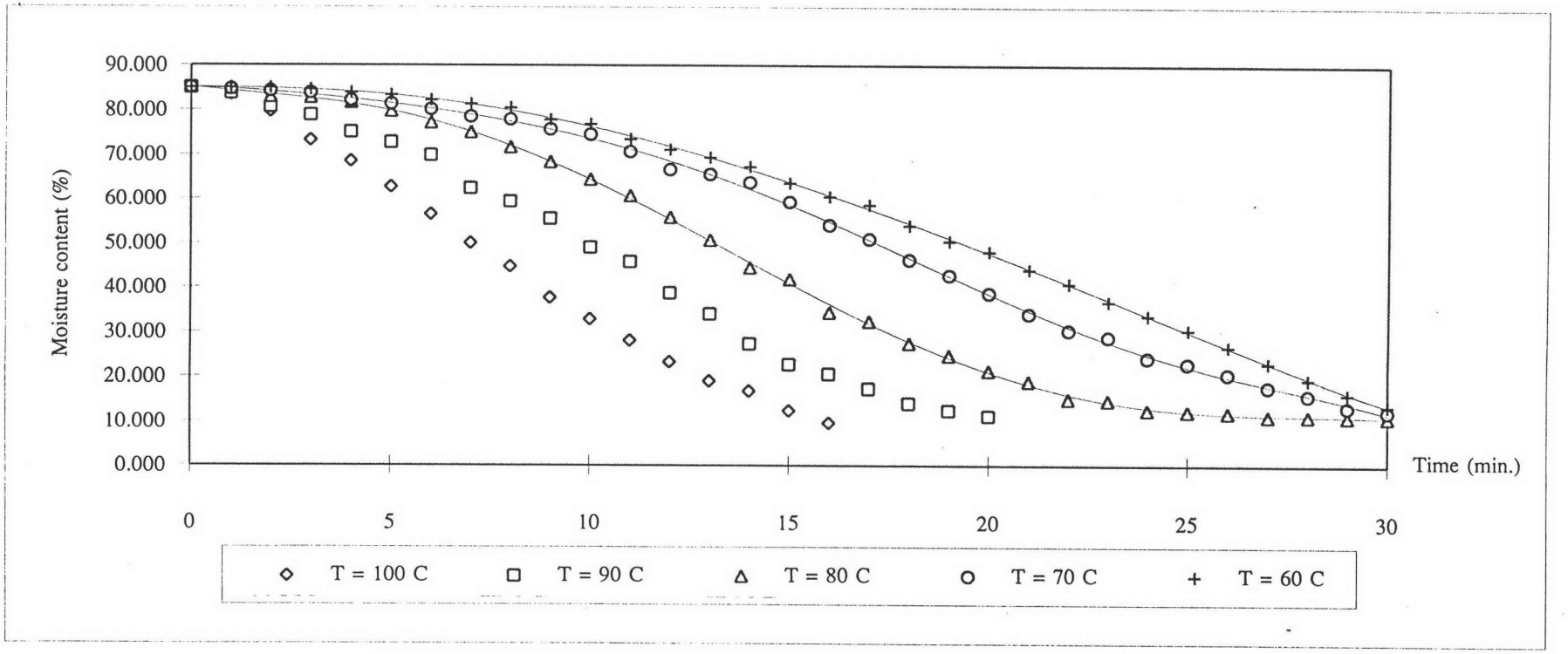


TABLE C-2.02

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 1.5 m/s.

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
1.5	80.541	83.303	84.755	84.970	84.715
3	72.638	79.417	82.849	83.796	84.146
4.5	65.030	76.197	80.355	82.450	83.995
6	58.283	70.859	77.857	80.924	83.037
7.5	47.203	64.806	74.923	78.105	82.601
9	40.900	55.827	67.984	75.995	80.698
10.5	30.810	45.974	62.285	70.910	78.214
12	21.516	39.387	55.647	66.920	74.337
13.5	16.116	30.024	49.956	62.055	70.558
15	11.594	25.023	40.338	56.052	66.812
16.5		17.499	35.564	50.919	61.210
18		14.155	26.221	44.343	55.229
19.5		11.891	22.219	40.301	48.110
21			19.543	36.816	44.040
22.5			16.511	30.454	38.503
24			12.094	26.848	31.538
25.5			11.668	22.842	28.840
27			11.319	18.252	23.612
28.5			10.717	16.595	18.239
30			10.506	14.638	13.902

Fig. C-2.02

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 1.5 m/s.

Thickness of venee ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

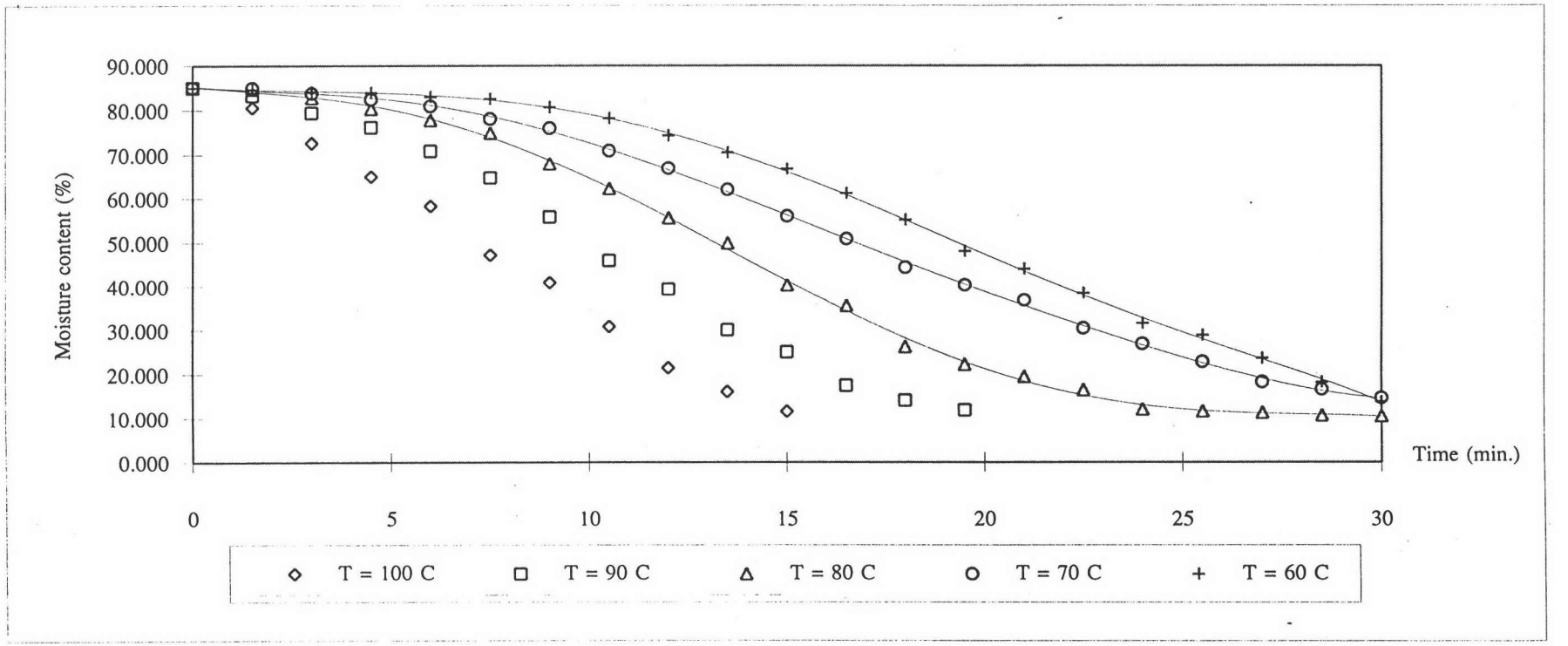


TABLE C-2.03

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 1.5 m/s.

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.03	85.034	85.034
2	77.223	81.800	84.44	85.000	84.237
4	68.112	75.001	82.45	84.275	83.738
6	57.592	70.486	77.14	81.342	82.233
8	44.378	60.339	74.91	77.588	80.916
10	33.648	48.216	63.15	74.373	76.292
12	23.005	36.151	55.31	68.533	71.141
14	14.755	27.523	47.42	61.129	66.401
16	10.690	20.396	36.97	56.340	61.242
18		13.141	28.10	48.001	54.182
20		10.599	23.36	42.037	47.635
22			18.61	34.249	40.293
24			12.06	28.019	32.339
26			11.74	22.319	26.733
28			11.31	16.334	18.010
30			10.79	12.930	12.084

Fig. C-2.03

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 1.5 m/s.

Thickness of venee ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

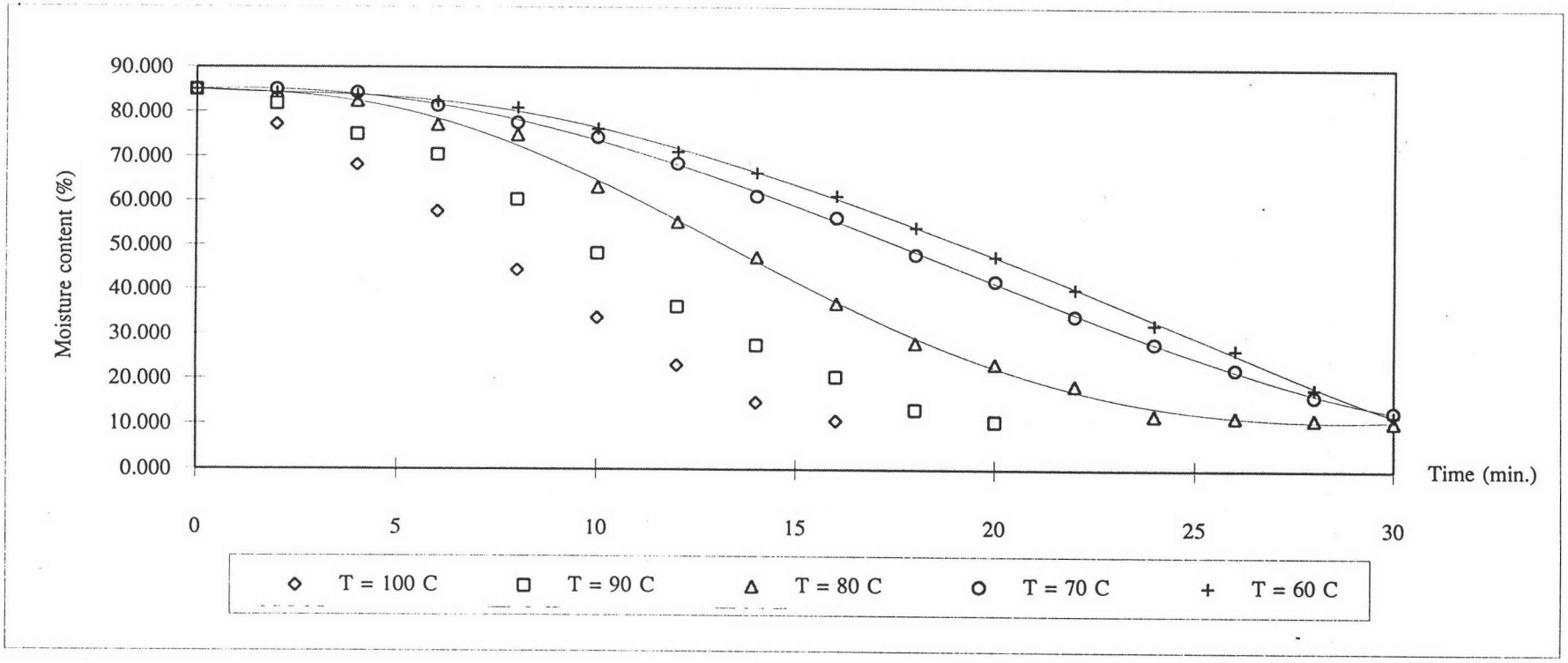


TABLE C-2.04

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.0 m/s.

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
1	81.616	82.511	84.630	84.540	84.909
2	77.541	79.812	83.069	83.558	84.523
3	71.143	75.009	80.814	82.742	84.102
4	65.518	72.789	79.519	81.316	83.443
5	59.412	68.479	76.718	80.492	82.098
6	51.398	65.289	74.096	78.783	82.207
7	46.150	61.685	70.608	76.033	80.002
8	40.495	54.105	69.881	74.593	78.596
9	33.993	51.953	65.083	72.938	76.407
10	26.112	44.767	60.742	68.953	74.905
11	24.007	40.655	55.206	64.034	72.789
12	19.554	33.238	50.308	60.140	70.809
13	15.109	28.118	45.012	57.846	67.875
14	11.072	22.127	38.908	54.921	65.643
15	8.236	19.692	33.493	50.639	61.313
16	7.017	17.309	28.692	47.594	58.548
17		13.323	24.103	44.254	54.196
18		11.393	19.618	40.355	50.339
19		10.451	18.316	38.540	46.536
20		9.522	17.117	34.253	43.752
21			15.733	31.349	40.231
22			11.670	28.395	36.134
23			10.510	25.105	32.001
24			9.671	22.731	29.016
25			9.266	20.652	24.732
26			8.997	18.700	20.613
27			8.927	16.136	17.393
28			8.909	15.375	14.601
29			8.811	12.624	12.995
30			8.850	11.856	11.541

Fig. C-2.04

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.0 m/s.

Thickness of venee ; t = 2.0 mm.

Resident time ; dt = 1.0 min.

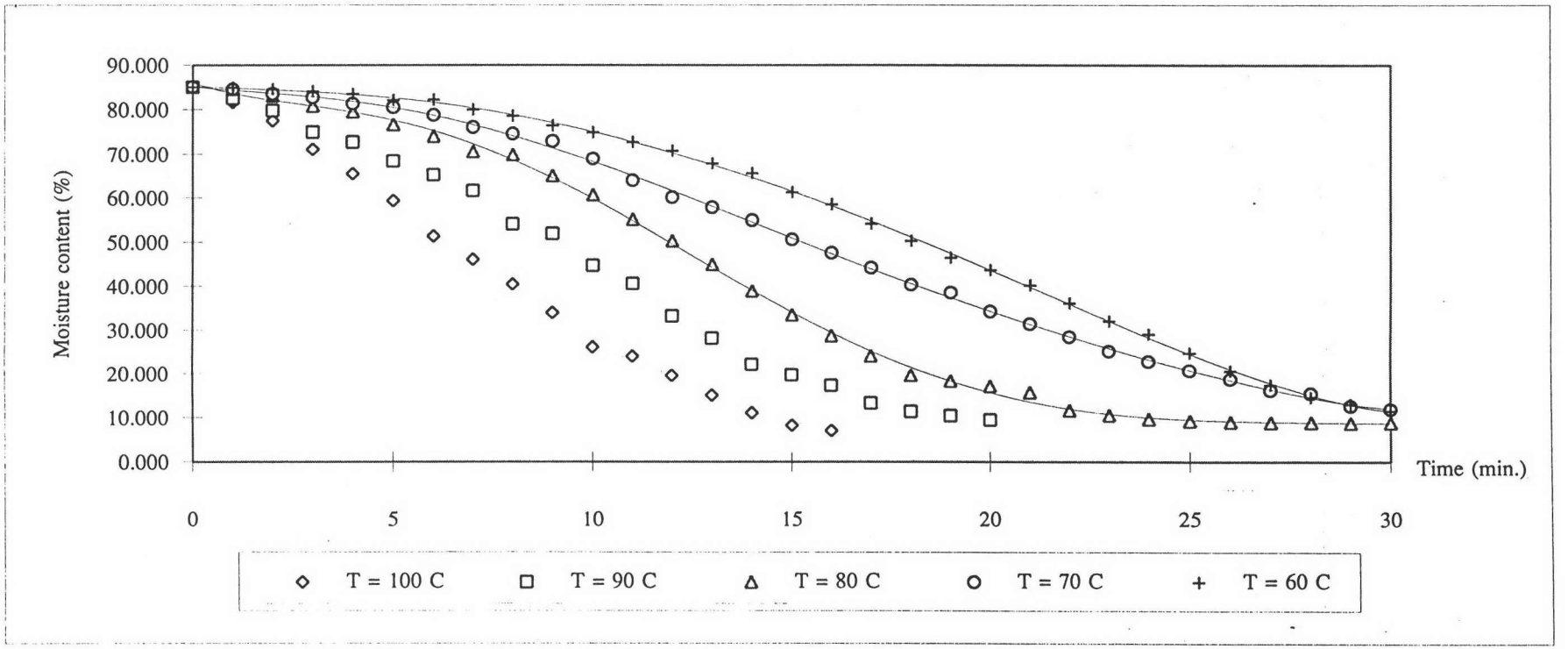


TABLE C-2.05

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.0 m/s.

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
1.5	79.506	80.192	83.893	83.803	83.439
3	70.426	76.325	81.286	82.016	83.064
4.5	60.687	70.123	78.655	80.558	81.546
6	55.818	62.306	75.955	79.289	80.107
7.5	43.403	58.276	70.642	76.440	77.779
9	34.654	51.676	63.776	71.942	75.972
10.5	26.216	43.409	58.359	68.550	69.324
12	19.117	34.704	50.219	62.393	65.650
13.5	12.543	26.880	43.302	58.259	61.506
15	9.005	21.549	35.520	52.550	56.098
16.5		14.608	29.204	46.634	50.743
18		12.857	21.906	42.643	45.047
19.5		9.288	18.699	36.216	40.552
21			15.050	30.059	35.538
22.5			10.699	25.043	30.946
24			10.177	20.937	22.987
25.5			9.612	16.831	18.041
27			9.275	13.157	14.402
28.5			8.717	11.922	10.610
30			8.599	10.336	9.091

Fig. C-2.05

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.0 m/s.

Thickness of venee ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

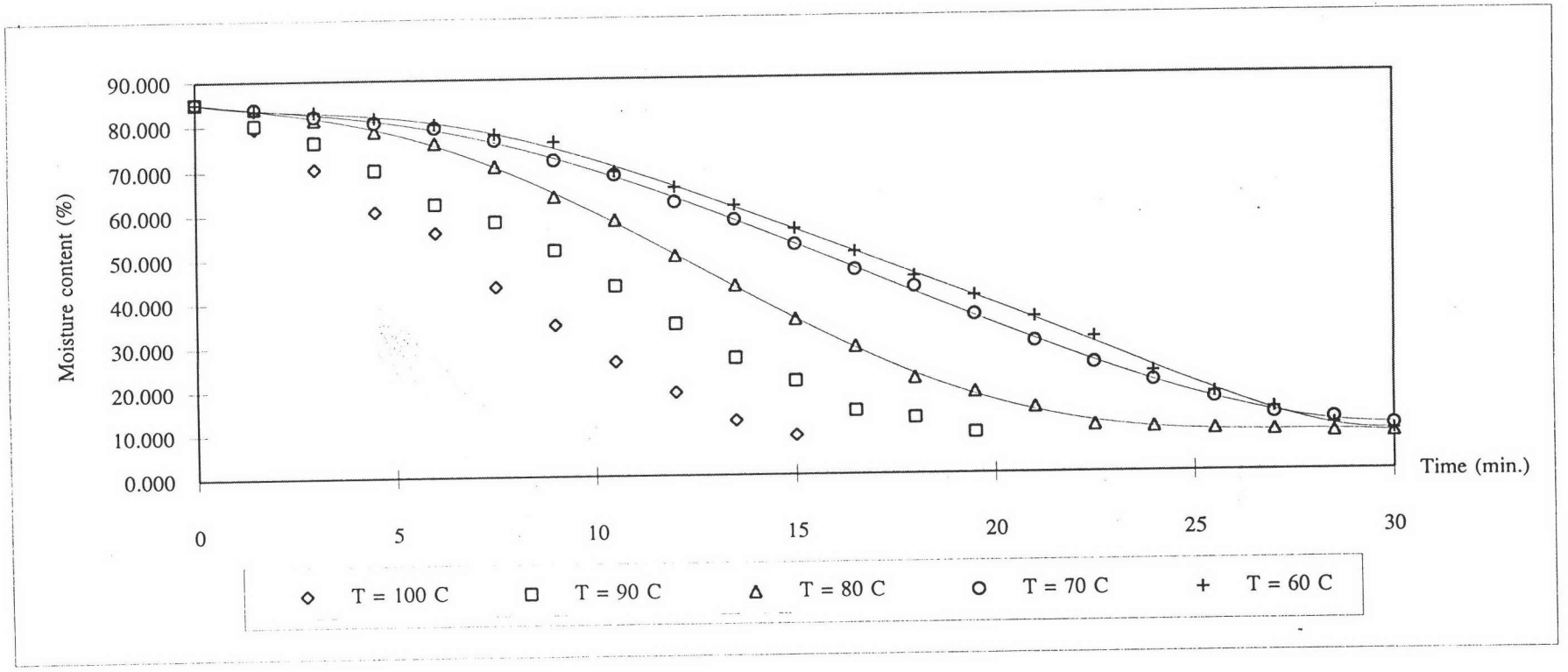


TABLE C-2.06

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.0 m/s.

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.03	85.034	85.034
2	75.295	80.215	83.10	84.144	84.794
4	65.557	74.108	79.98	82.297	84.037
6	55.818	63.281	75.80	78.478	82.708
8	40.635	54.083	69.38	74.243	80.476
10	29.419	43.117	58.85	68.938	74.197
12	20.227	33.797	50.55	64.630	70.508
14	12.594	24.237	38.72	56.081	64.138
16	8.303	18.950	28.22	50.053	56.827
18		10.981	24.13	43.336	50.131
20		9.523	18.53	36.734	42.731
22			12.08	32.824	34.002
24			10.36	26.453	26.833
26			9.95	22.218	20.864
28			9.66	16.159	15.801
30			9.25	11.355	12.890

Fig. C-2.06

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.0 m/s.

Thickness of venee ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

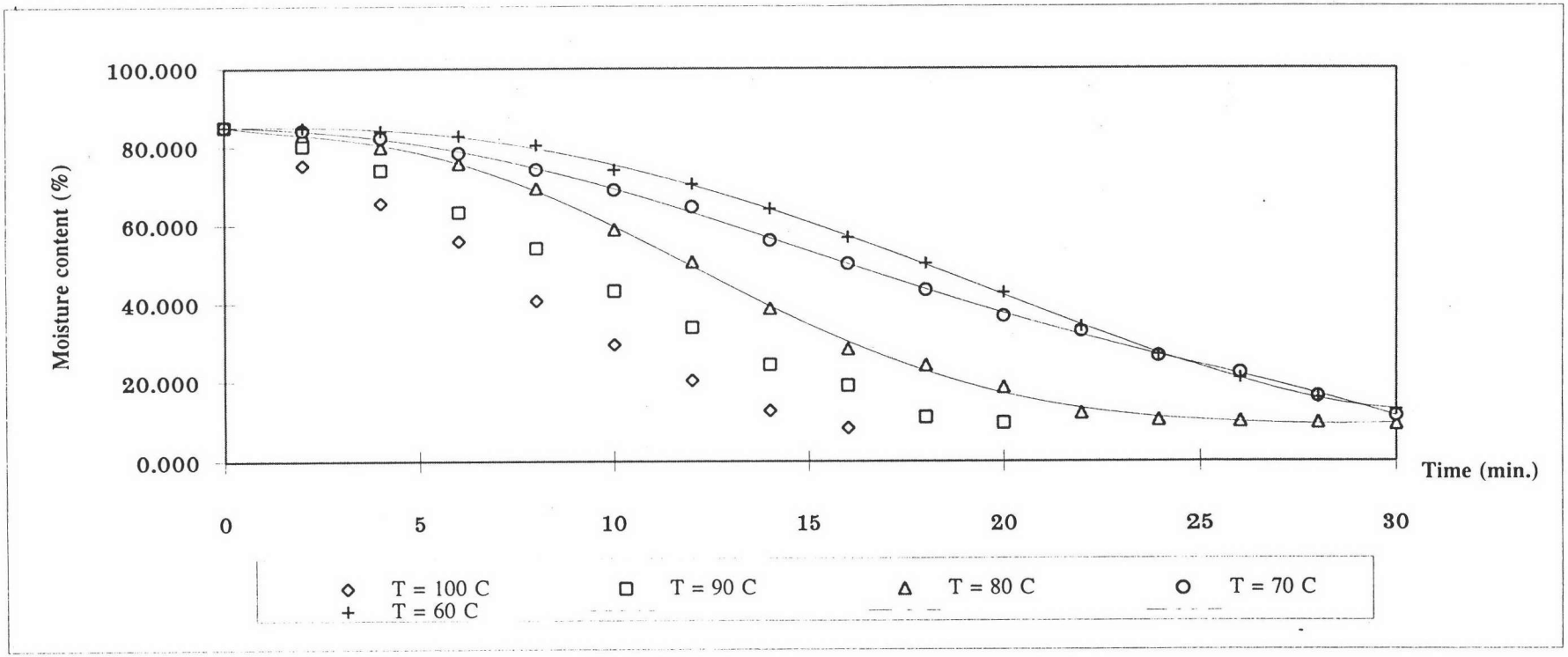


TABLE C-2.07

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.5 m/s.

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.0 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
1	79.212	81.258	83.530	83.303	84.730
2	75.167	77.451	81.216	82.980	83.938
3	67.292	73.297	79.658	80.719	82.502
4	60.125	68.055	76.020	80.217	81.568
5	52.397	63.220	74.606	78.913	80.047
6	46.657	59.798	69.982	76.448	78.188
7	40.411	54.959	65.261	74.526	76.214
8	34.585	49.491	62.005	72.993	74.747
9	28.100	43.242	55.734	69.940	72.524
10	23.356	38.407	51.546	64.486	69.084
11	18.612	32.308	45.017	60.830	66.025
12	14.995	26.197	40.106	57.700	64.693
13	12.234	21.352	35.592	54.704	61.402
14	9.418	18.558	29.208	50.253	58.702
15	7.582	14.591	26.903	47.400	55.449
16	6.241	12.262	22.453	44.996	52.902
17		11.741	20.649	40.740	48.855
18		9.361	15.021	36.155	45.488
19		8.793	12.521	32.816	42.448
20		7.602	12.013	28.300	38.216
21			11.193	26.877	34.552
22			9.600	23.818	30.605
23			8.642	20.608	28.756
24			8.394	18.190	25.385
25			7.520	16.560	22.644
26			7.520	14.957	18.046
27			7.011	12.649	15.330
28			6.707	11.516	13.254
29			6.428	10.759	12.709
30			5.019	10.006	11.440

Fig. C-2.07

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.5 m/s.

Thickness of venee ; t = 2.0 mm.

Resident time ; dt = 1.0 min.

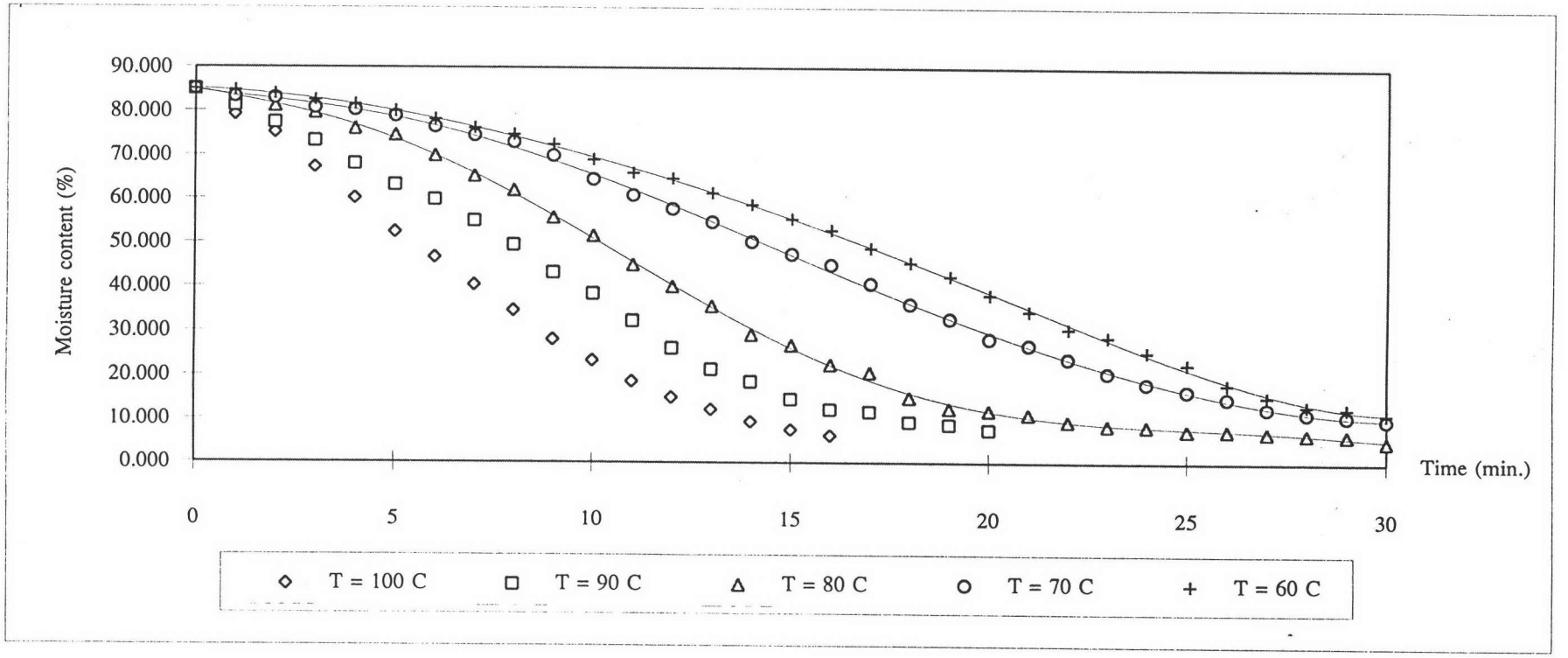


TABLE C-2.08

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.5 m/s.

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
1.5	76.938	79.810	82.537	82.555	84.209
3	68.295	73.542	80.077	79.353	82.216
4.5	56.365	67.556	75.710	76.308	81.983
6	46.553	60.205	72.973	71.663	80.298
7.5	35.792	51.605	61.793	67.348	78.702
9	28.903	42.055	56.043	63.736	74.112
10.5	22.391	35.242	50.592	56.403	70.346
12	15.616	27.049	40.114	51.334	64.955
13.5	10.965	21.289	34.803	46.426	60.207
15	8.704	13.867	26.415	41.673	56.700
16.5		11.495	20.923	35.449	50.409
18		9.123	15.082	28.719	46.345
19.5		8.495	13.518	23.494	41.440
21			10.282	18.387	36.979
22.5			8.724	13.402	29.829
24			8.166	11.112	24.331
25.5			7.476	9.621	20.346
27			7.287	9.291	16.395
28.5			6.996	8.997	14.892
30			6.711	8.288	12.784

Fig. C-2.08

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.5 m/s.

Thickness of venee ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

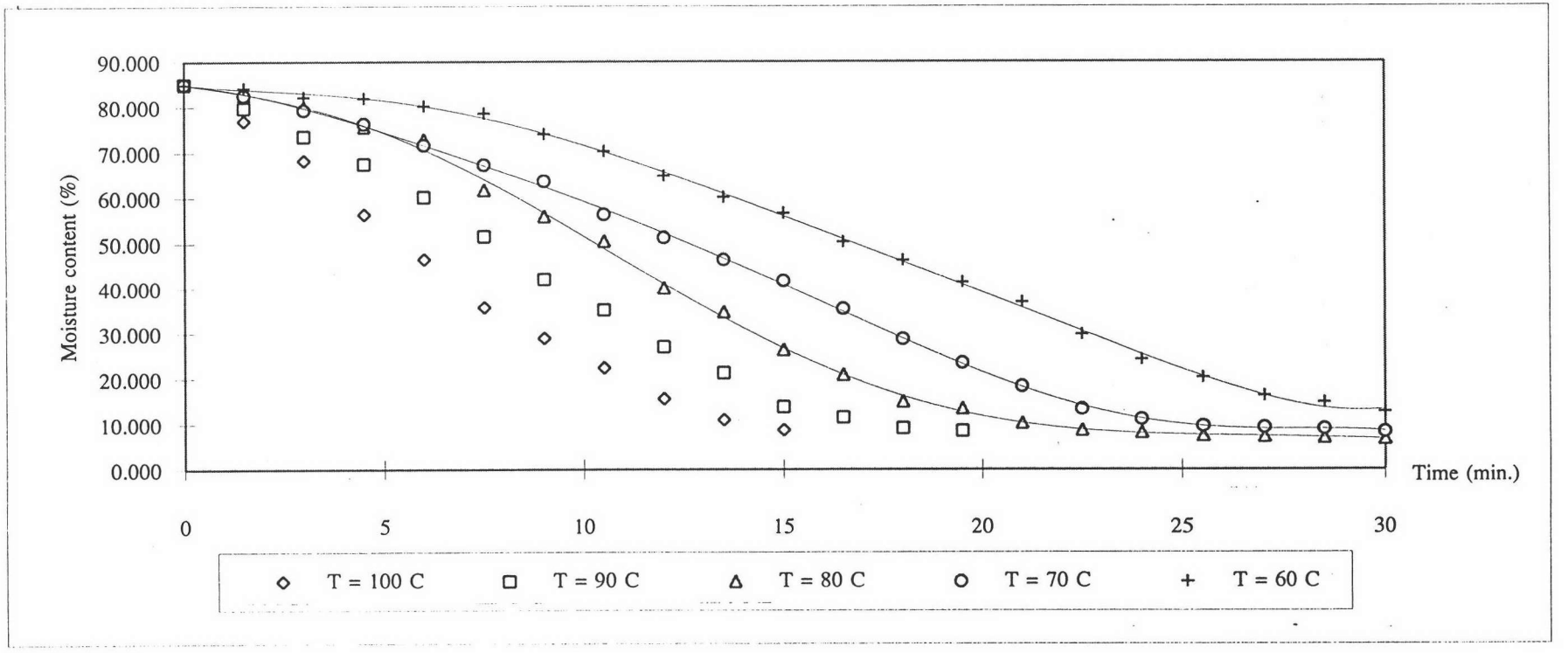


TABLE C-2.08

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.5 m/s.

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 1.5 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.034	85.034	85.034
1.5	76.938	79.810	82.537	82.555	84.209
3	68.295	73.542	80.077	79.353	82.216
4.5	56.365	67.556	75.710	76.308	81.983
6	46.553	60.205	72.973	71.663	80.298
7.5	35.792	51.605	61.793	67.348	78.702
9	28.903	42.055	56.043	63.736	74.112
10.5	22.391	35.242	50.592	56.403	70.346
12	15.616	27.049	40.114	51.334	64.955
13.5	10.965	21.289	34.803	46.426	60.207
15	8.704	13.867	26.415	41.673	56.700
16.5		11.495	20.923	35.449	50.409
18		9.123	15.082	28.719	46.345
19.5		8.495	13.518	23.494	41.440
21			10.282	18.387	36.979
22.5			8.724	13.402	29.829
24			8.166	11.112	24.331
25.5			7.476	9.621	20.346
27			7.287	9.291	16.395
28.5			6.996	8.997	14.892
30			6.711	8.288	12.784

TABLE C-2.09

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.5 m/s.

Thickness of veneer ; t = 2.0 mm.

Resident time ; dt = 2.0 min.

Time (min.)	Moisture content (%)				
	Hot Air Temperature (Deg. C)				
	T = 100 C	T = 90 C	T = 80 C	T = 70 C	T = 60 C
0	85.034	85.034	85.03	85.034	85.034
2	73.019	78.552	80.54	82.925	84.627
4	58.601	70.086	77.75	78.096	82.275
6	44.182	58.160	69.72	74.510	80.012
8	34.570	47.476	63.53	70.614	76.827
10	24.958	36.053	50.55	64.454	72.046
12	15.346	27.819	40.59	56.441	66.754
14	10.540	18.121	31.41	51.740	60.139
16	6.734	12.922	22.25	44.114	52.331
18		8.618	18.26	36.625	46.136
20		7.554	14.01	28.002	40.025
22			9.56	20.602	32.358
24			8.87	16.065	24.377
26			7.84	14.000	18.550
28			7.10	11.400	14.601
30			6.36	10.125	10.778

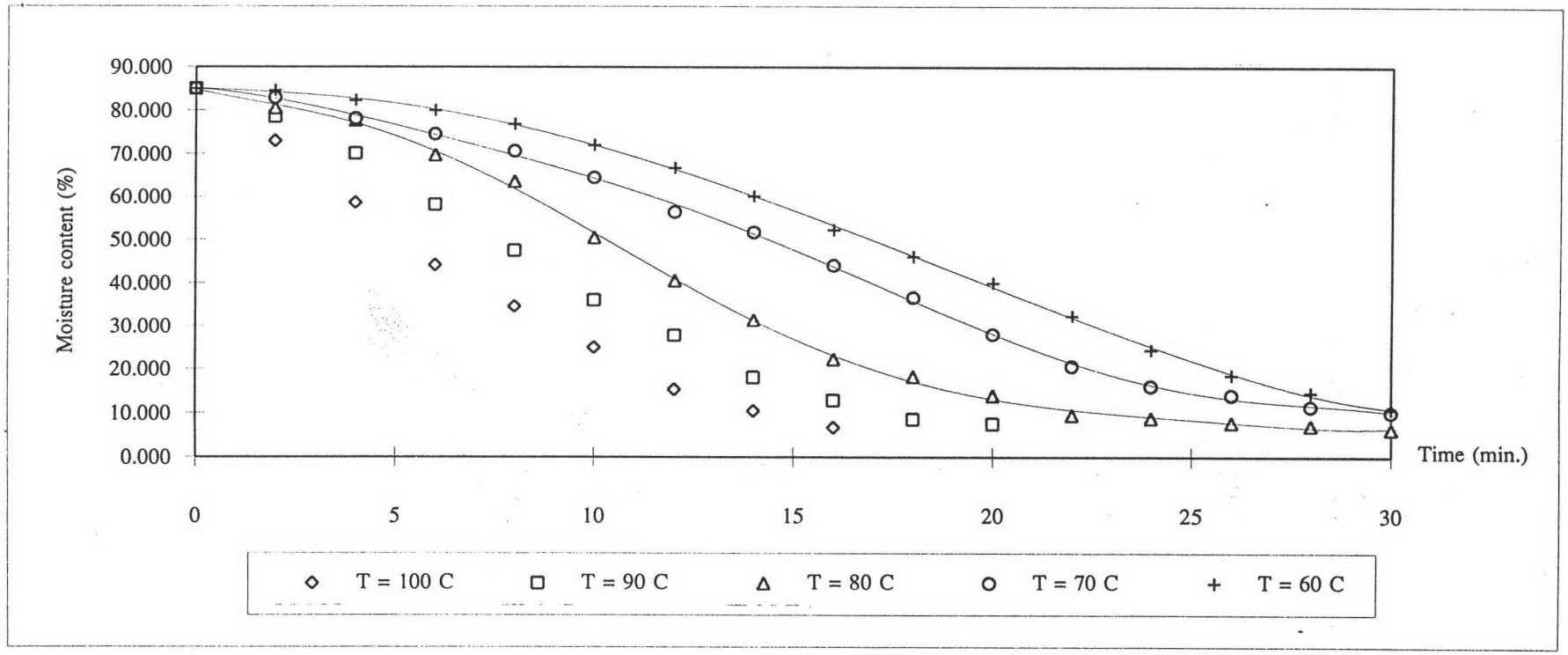
Fig. C-2.09

Show comparison of moisture content of veneer during drying at each hot air temperature ; T

Hot air velocity ; Va = 2.5 m/s.

Thickness of venee ; t = 2.0 mm.

Resident time ; dt = 2.0 min.



Appendix D

Table and Figure show Comparision of Moisture Content of Veneer 1.5 mm. and 2.0 mm. at The Same Drying Condition

TABLE D-1.01

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
1	78.922	83.567
2	72.485	79.736
3	63.999	73.282
4	54.973	68.562
5	45.010	62.687
6	39.110	56.504
7	32.396	50.066
8	28.302	44.792
9	22.634	37.699
10	18.595	32.845
11	15.883	28.100
12	12.231	23.296
13	10.855	19.020
14	9.745	16.809
15	8.496	12.403
16	7.719	9.678

Fig. D-1.01

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.0 min.

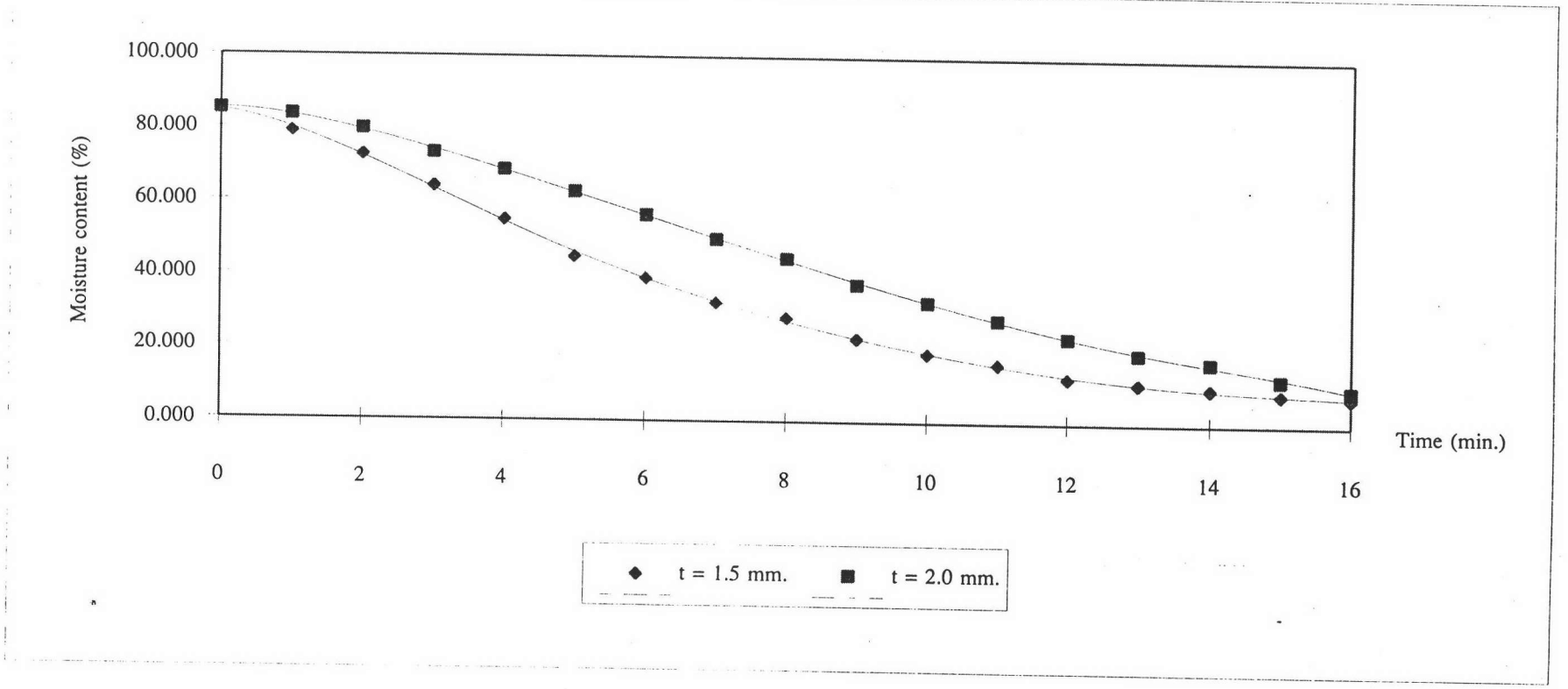


TABLE D-1.02

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.5 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
1.5	75.199	80.541
3	62.220	72.638
4.5	50.668	65.030
6	38.452	58.283
7.5	30.262	47.203
9	22.474	40.900
10.5	17.354	30.810
12	12.858	21.516
13.5	9.042	16.116
15	7.822	11.594

Fig. D-1.02

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.5 min.

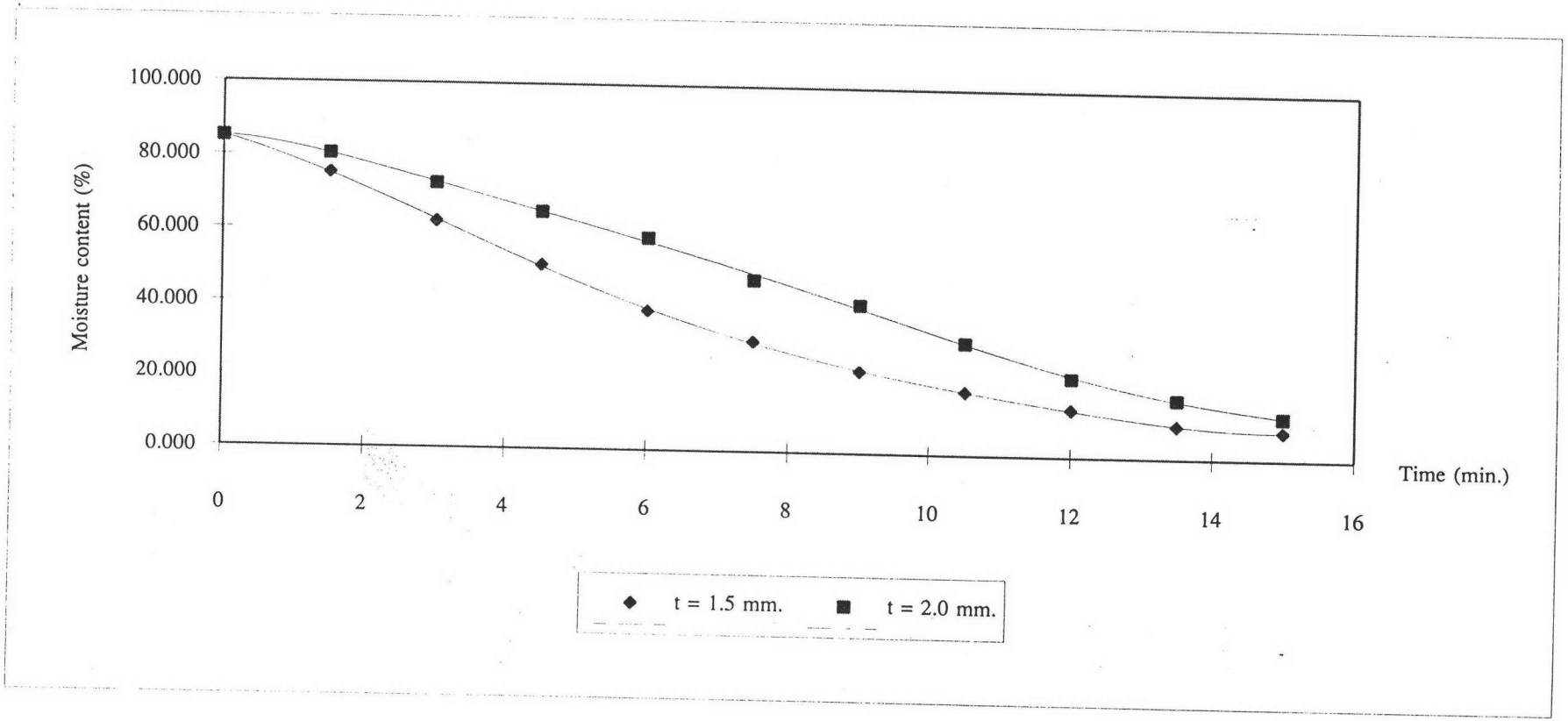


TABLE D-1.03

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 2.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
2	70.243	77.223
4	53.023	68.112
6	38.162	57.592
8	27.307	44.378
10	18.342	33.648
12	13.686	23.005
14	8.642	14.755
16	7.617	10.690

Fig. D-1.03

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 2.0 min.

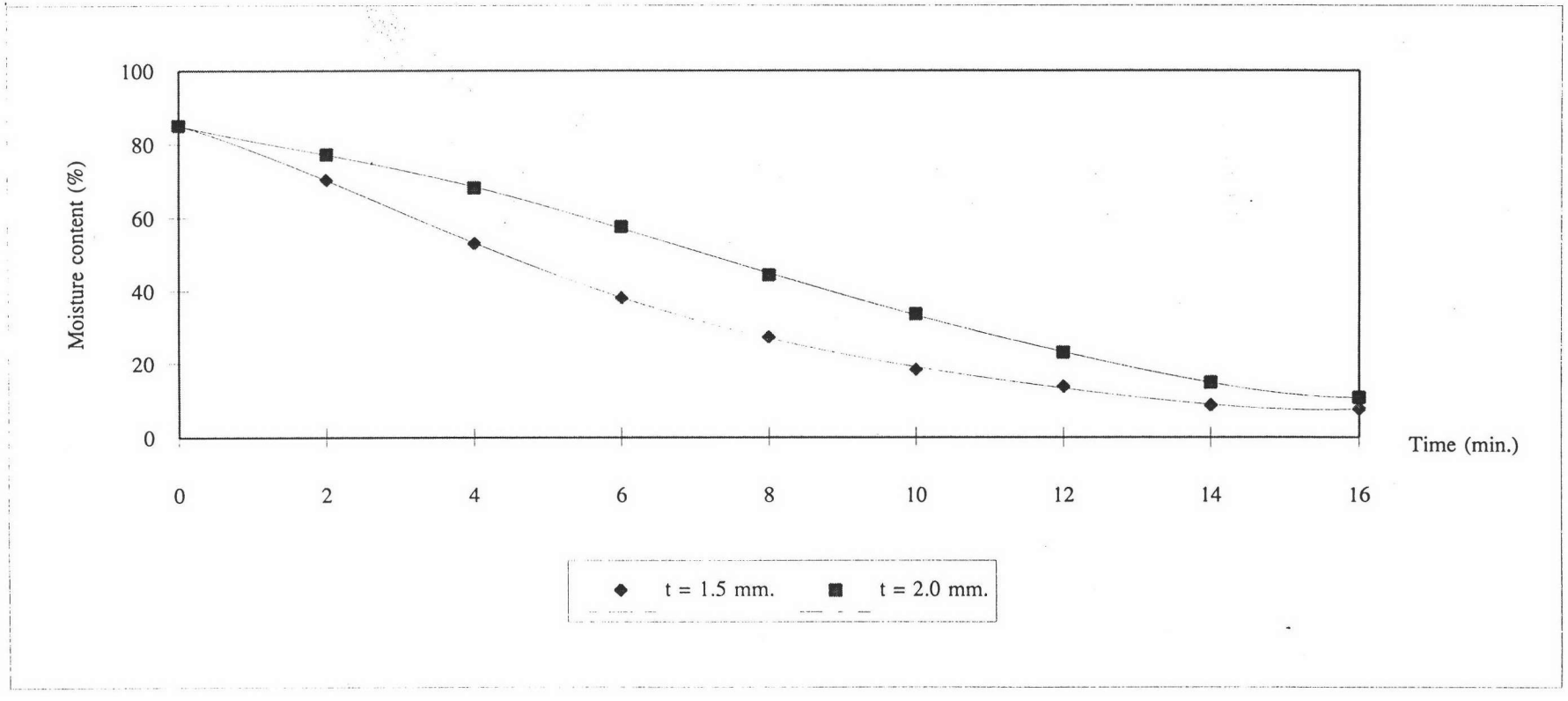


TABLE D-1.04

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.0 min.

Time	Moisture content of veneer	
(min.)	Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
1	77.640	81.616
2	68.643	77.541
3	60.877	71.143
4	50.126	65.518
5	42.964	59.412
6	35.593	51.398
7	29.392	46.150
8	22.034	40.495
9	19.240	33.993
10	15.865	26.112
11	13.922	24.007
12	10.539	19.554
13	9.535	15.109
14	8.543	11.072
15	7.193	8.236
16	6.721	7.017

Fig. D-1.04

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.0 min.

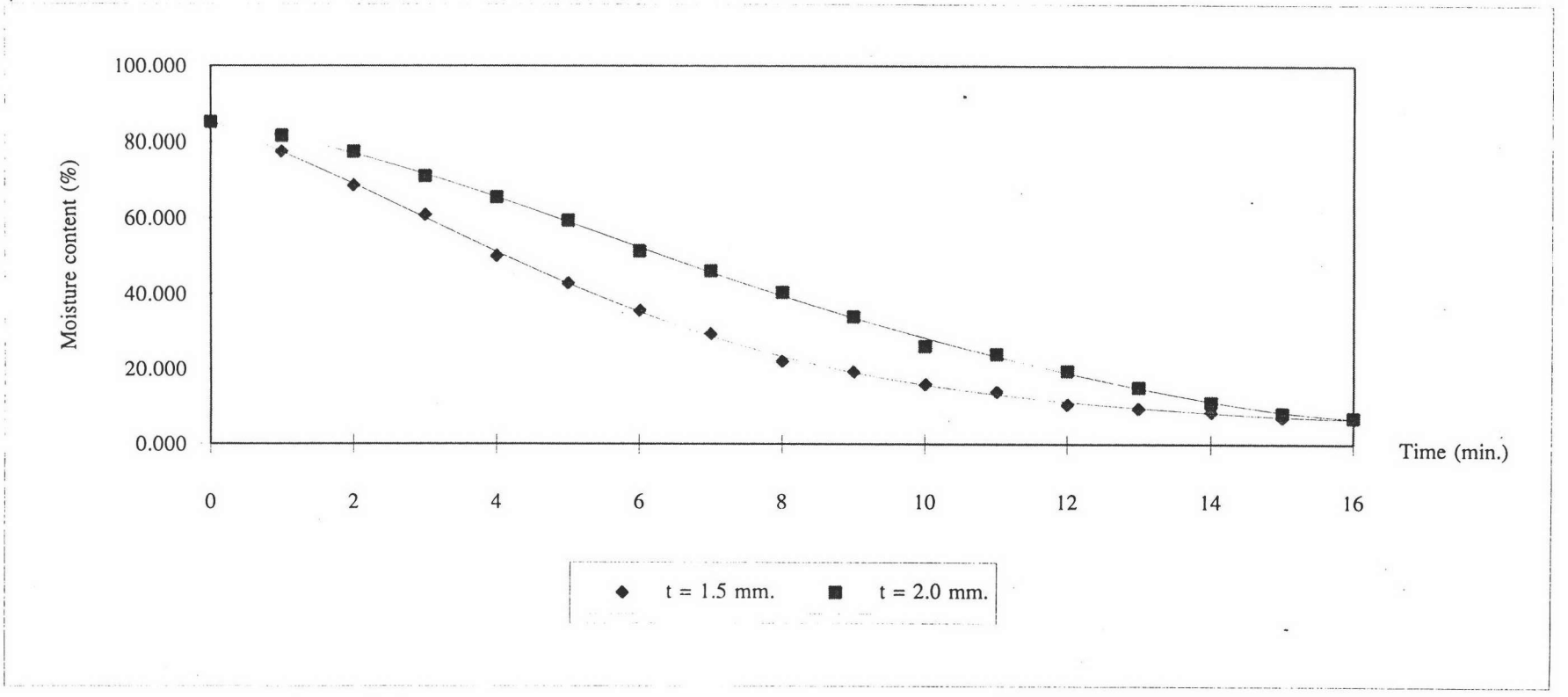


TABLE D-1.05

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.5 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
1.5	73.777	79.506
3	58.138	70.426
4.5	47.845	60.687
6	34.131	55.818
7.5	27.302	43.403
9	19.811	34.654
10.5	14.042	26.216
12	10.353	19.117
13.5	8.621	12.543
15	7.029	9.005

Fig. D-1.05

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.5 min.

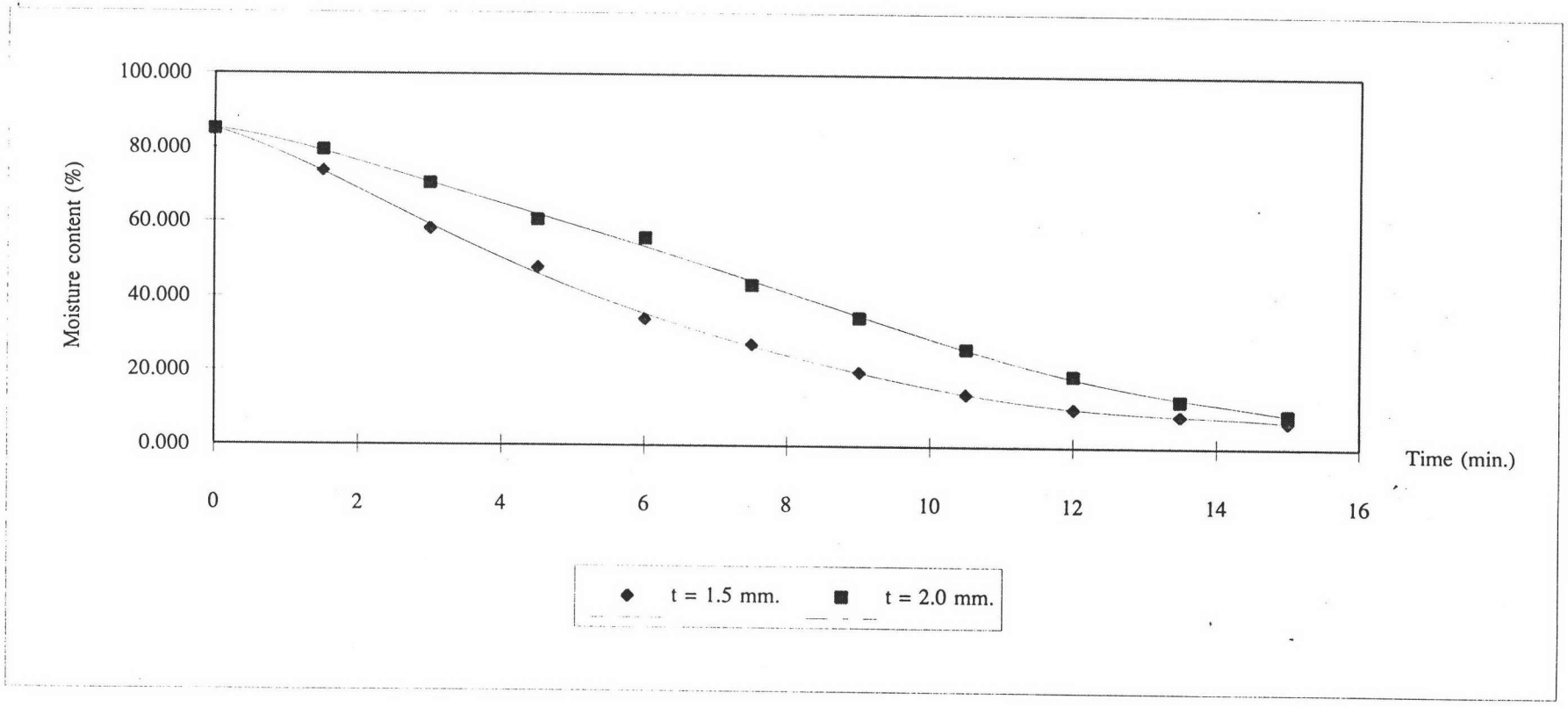


TABLE D-1.06

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 2.0 min.

Time	Moisture content of veneer	
(min.)	Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
2	68.16	75.295
4	50.384	65.557
6	35.356	55.818
8	23.458	40.635
10	15.049	29.419
12	10.294	20.227
14	7.883	12.594
16	6.524	8.303

Fig. D-1.06

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 2.0 min.

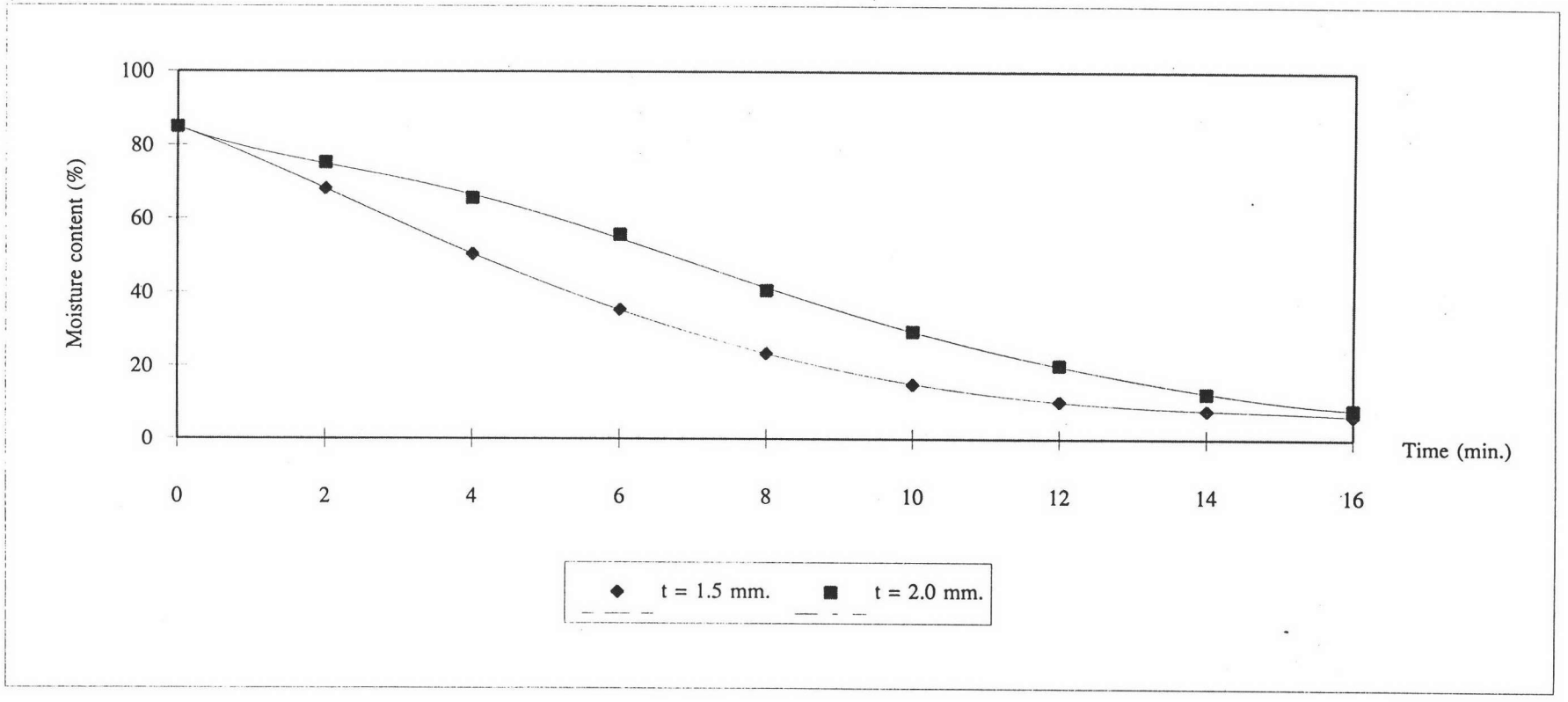


TABLE D-1.07

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.0 min.

Time	Moisture content of veneer	
(min.)	Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
1	75.831	79.212
2	64.823	75.167
3	54.064	67.292
4	42.466	60.125
5	35.006	52.397
6	29.047	46.657
7	23.290	40.411
8	19.476	34.585
9	13.093	28.100
10	12.670	23.356
11	10.399	18.612
12	8.745	14.995
13	8.292	12.234
14	7.574	9.418
15	6.854	7.582
16	6.193	6.241

Fig. D-1.07

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.0 min.

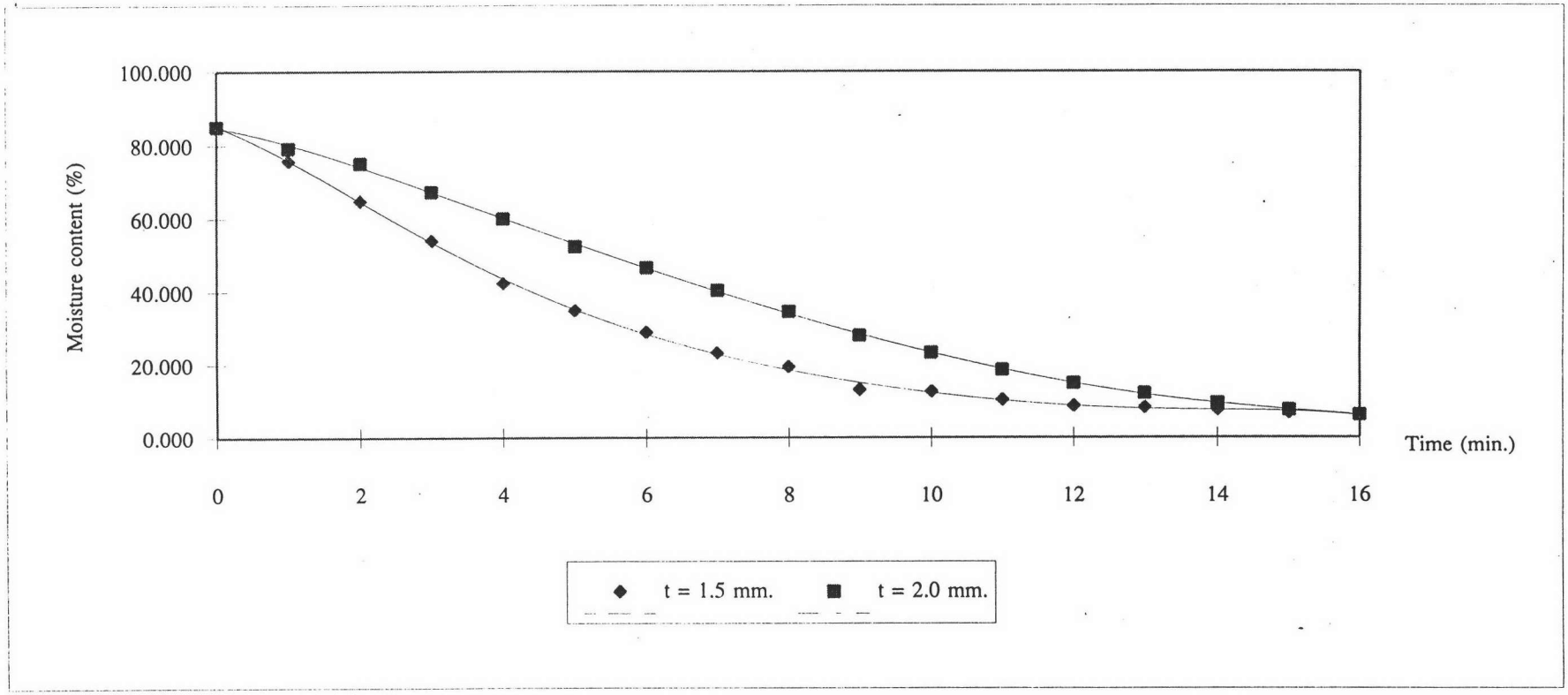


TABLE D-1.08

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.5 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
1.5	70.173	76.938
3	56.368	68.295
4.5	40.033	56.365
6	27.035	46.553
7.5	22.208	35.792
9	15.559	28.903
10.5	11.649	22.391
12	9.578	15.616
13.5	6.293	10.965
15	6.817	8.704

Fig. D-1.08

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.5 min.

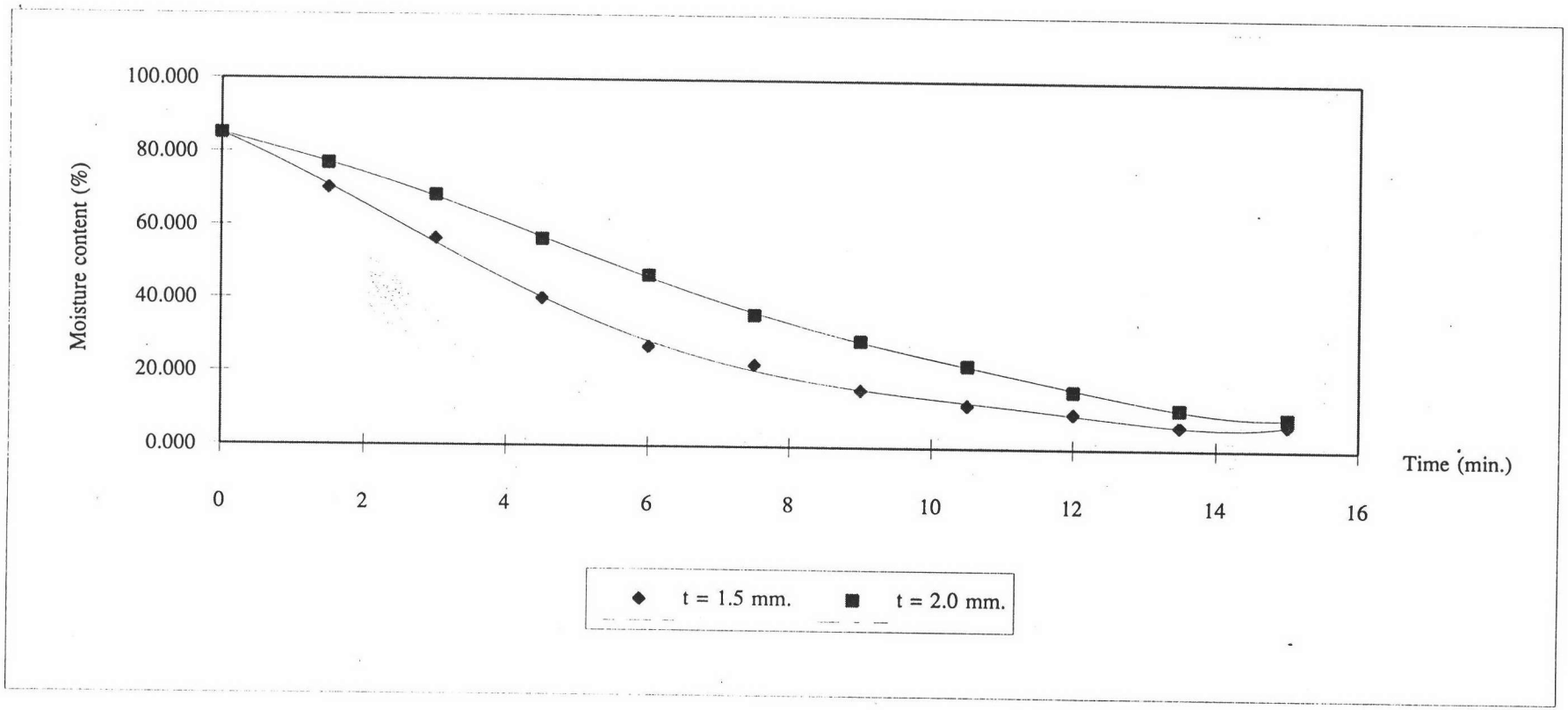


TABLE D-1.09

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 2.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
2	65.243	73.019
4	44.988	58.601
6	28.972	44.182
8	17.576	34.570
10	12.026	24.958
12	8.558	15.346
14	7.086	10.540
16	6.002	6.734

Fig. D-1.09

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 100.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 2.0 min.

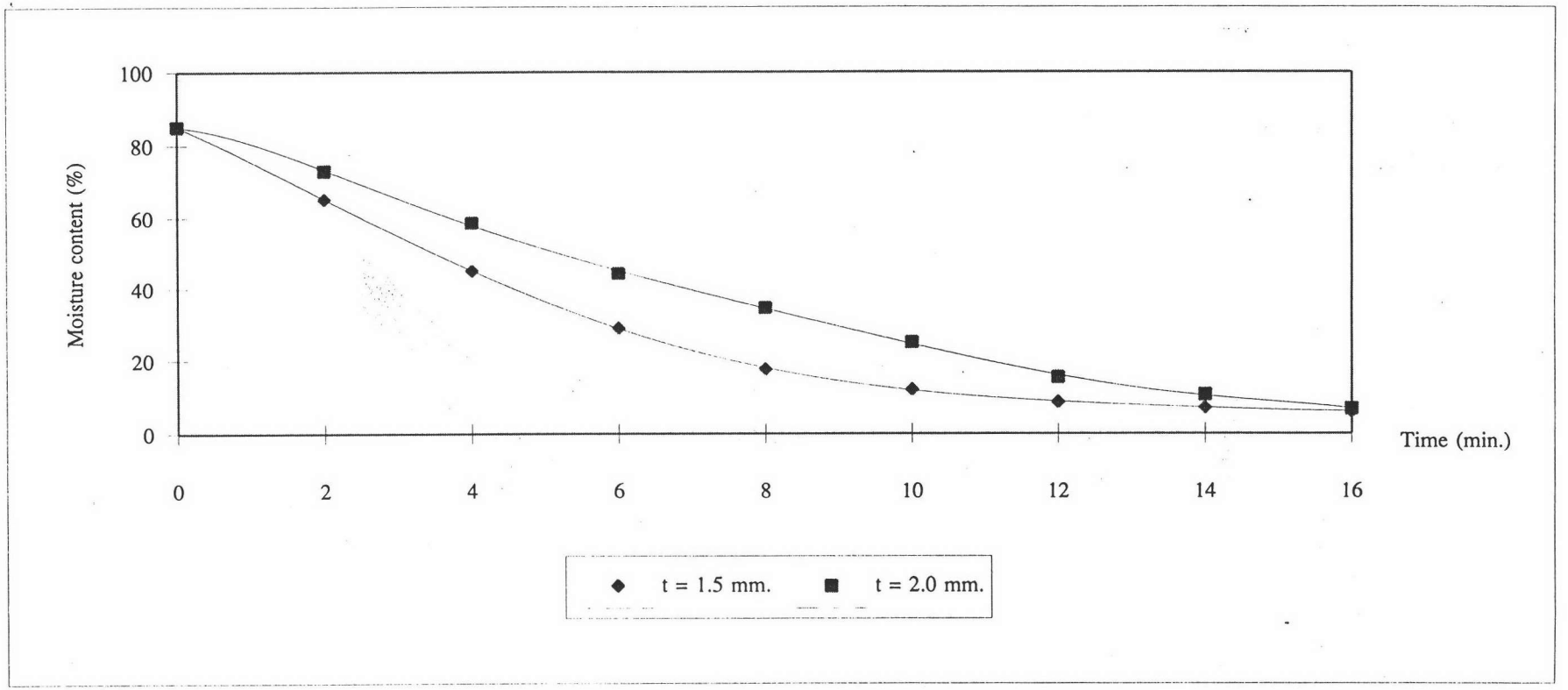


TABLE D-1.10

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.0 min.

Time	Moisture content of veneer	
(min.)	Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
1	80.247	83.791
2	77.553	80.759
3	72.040	78.881
4	67.335	75.086
5	60.414	72.751
6	54.147	69.897
7	48.974	62.392
8	42.001	59.375
9	36.009	55.499
10	31.067	49.044
11	27.483	45.878
12	23.984	38.776
13	20.795	34.042
14	18.736	27.352
15	15.693	22.699
16	15.021	20.590
17	12.545	17.292
18	11.953	14.054
19	10.033	12.450
20	9.279	11.217

Fig. D-1.10

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.0 min.

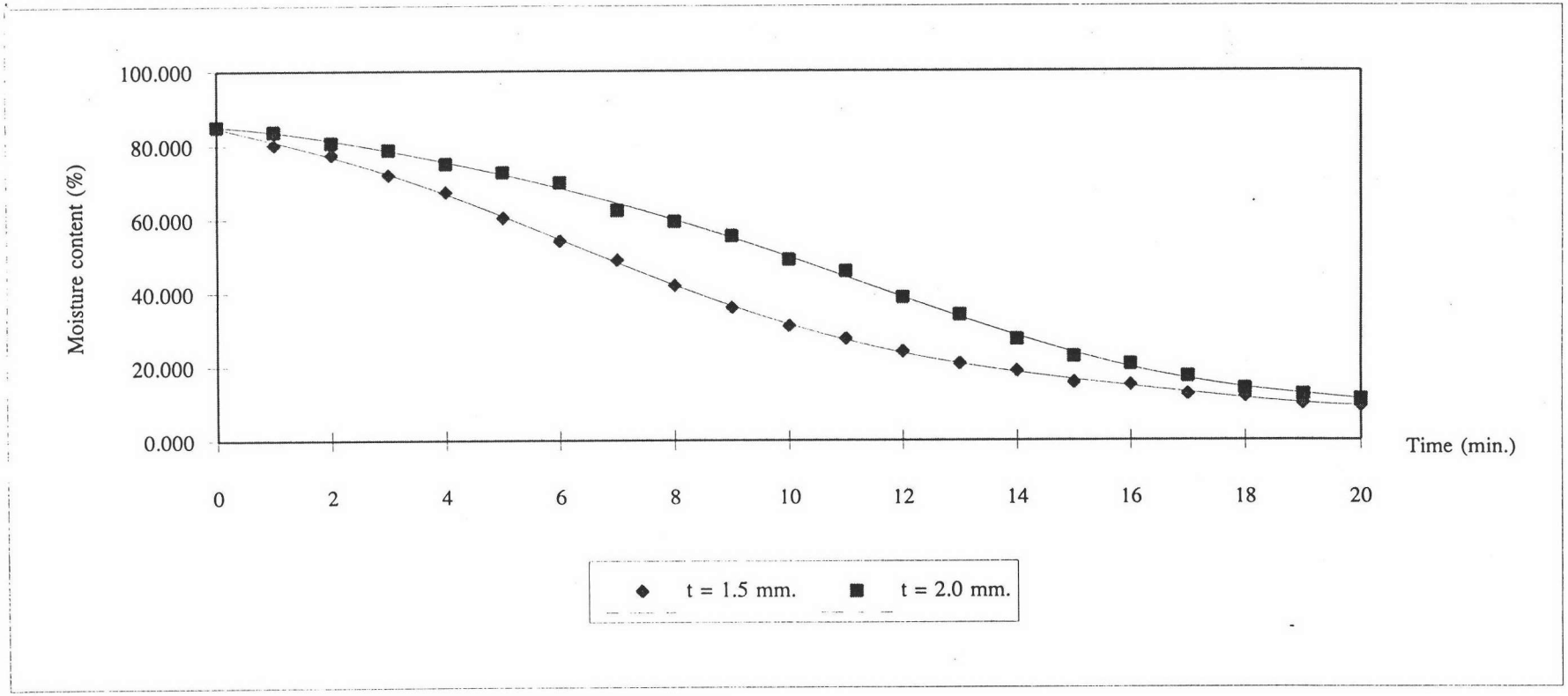


TABLE D-1.11

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.5 min.

Time	Moisture content of veneer	
(min.)	Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
1.5	80.896	83.303
3	72.982	79.417
4.5	65.958	76.197
6	53.149	70.859
7.5	45.064	64.806
9	35.431	55.827
10.5	29.243	45.974
12	24.537	39.387
13.5	19.093	30.024
15	17.659	25.023
16.5	14.900	17.499
18	11.057	14.155
19.5	10.359	11.891

Fig. D-1.11

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.5 min.

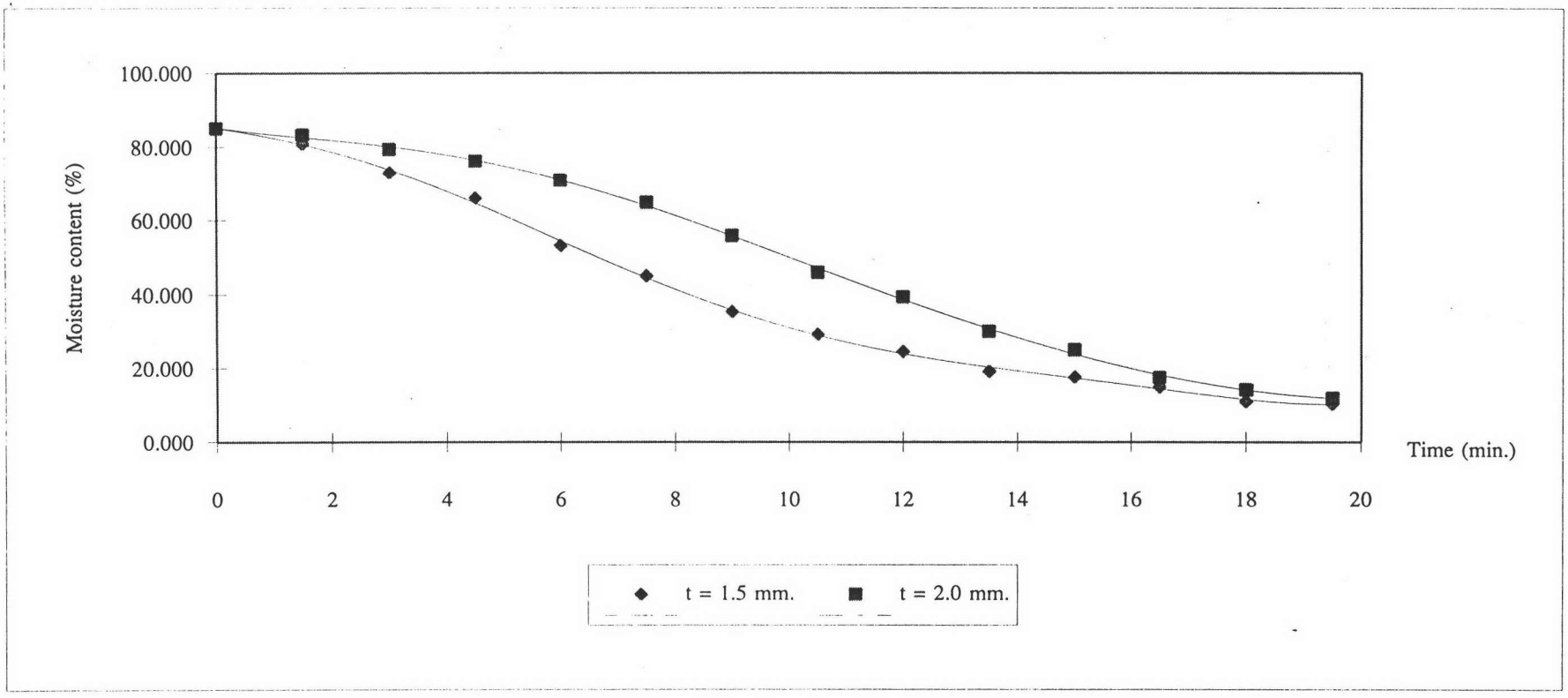


TABLE D-1.12

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 2.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
2	77.879	81.800
4	67.435	75.001
6	54.535	70.486
8	42.821	60.339
10	32.171	48.216
12	24.079	36.151
14	18.505	27.523
16	14.985	20.396
18	11.919	13.141
20	9.682	10.599

Fig. D-1.12

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 2.0 min.

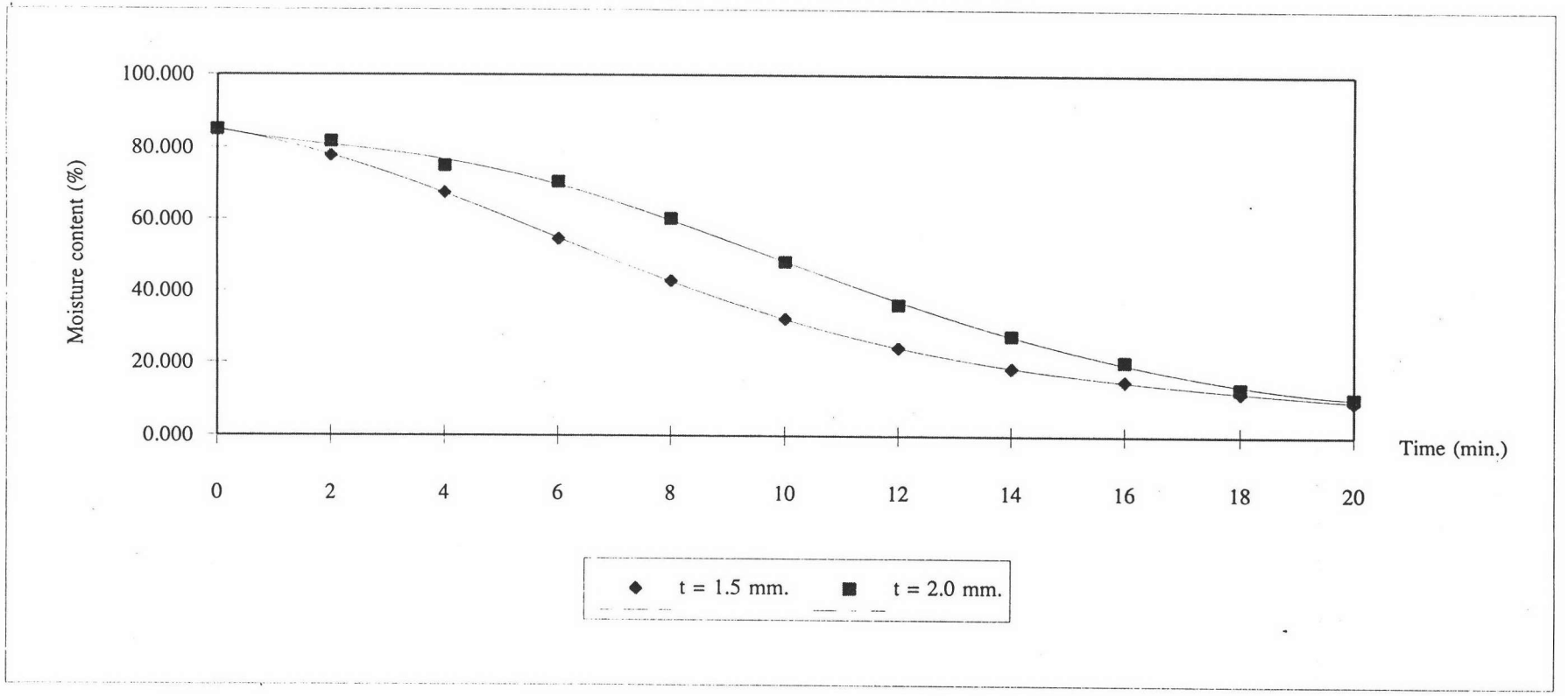


TABLE D-1.13

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
1	80.409	82.511
2	76.375	79.812
3	70.634	75.009
4	65.755	72.789
5	58.069	68.479
6	52.431	65.289
7	45.166	61.685
8	38.752	54.105
9	33.238	51.953
10	27.776	44.767
11	24.133	40.655
12	20.734	33.238
13	18.260	28.118
14	15.012	22.127
15	13.134	19.692
16	10.896	17.309
17	10.589	13.323
18	9.813	11.393
19	8.410	10.451
20	8.029	9.522

Fig. D-1.13

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.0 min.

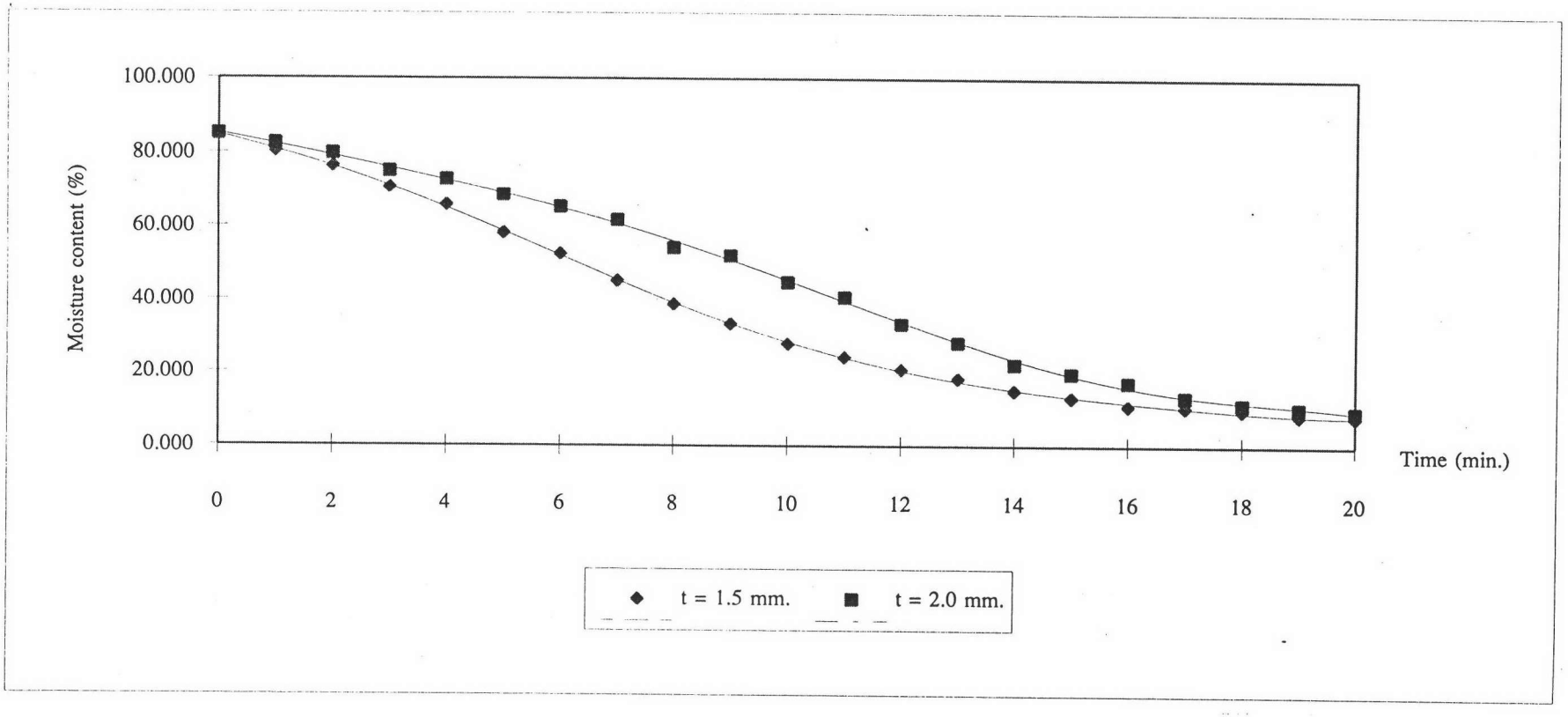


TABLE D-1.14

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.5 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
1.5	78.807	80.192
3	70.013	76.325
4.5	61.075	70.123
6	51.543	62.306
7.5	43.198	58.276
9	32.297	51.676
10.5	25.578	43.409
12	21.808	34.704
13.5	17.395	26.880
15	13.290	21.549
16.5	11.752	14.608
18	8.355	12.857
19.5	7.729	9.288

Fig. D-1.14

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.5 min.

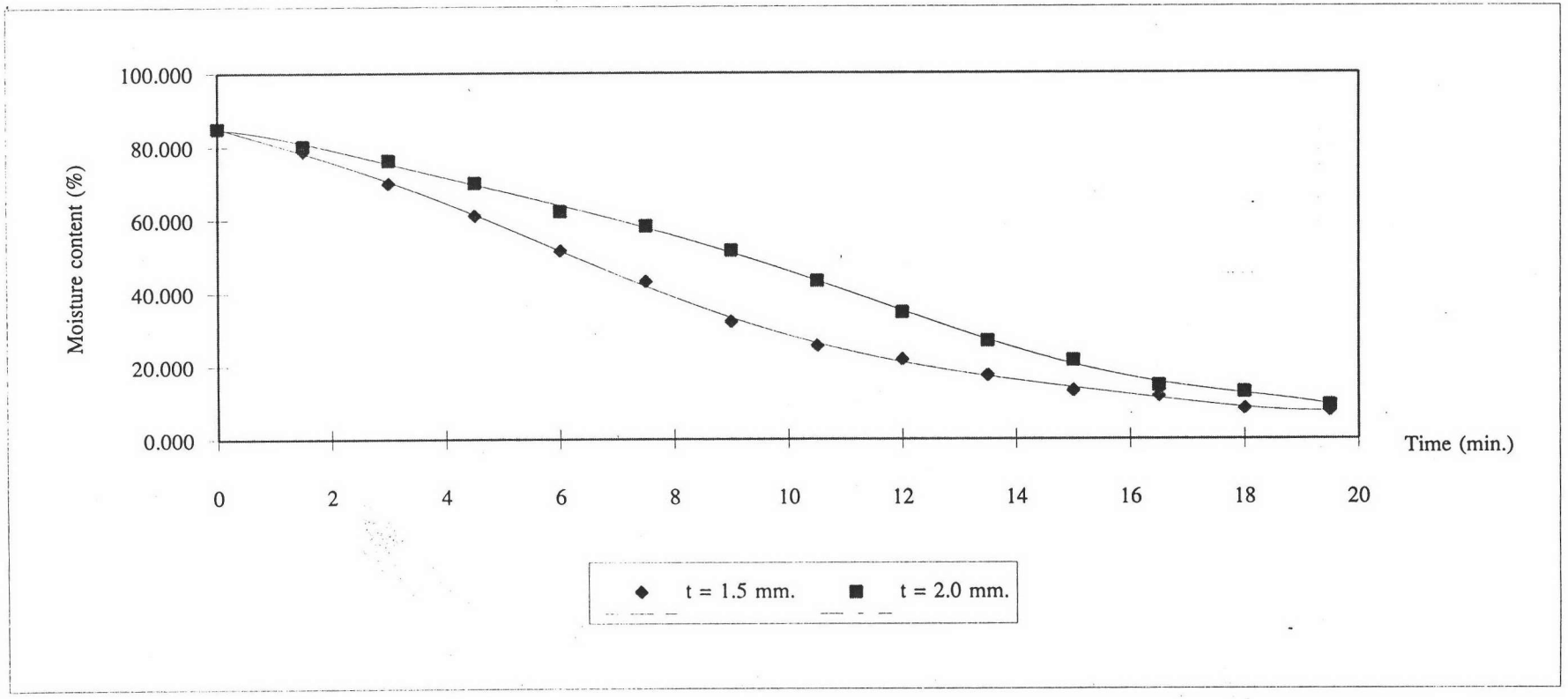


TABLE D-1.15

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 2.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
2	76.894	80.215
4	65.849	74.108
6	52.953	63.281
8	38.996	54.083
10	28.947	43.117
12	21.955	33.797
14	15.658	24.237
16	11.818	18.950
18	9.256	10.981
20	8.793	9.523

Fig. D-1.15

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 2.0 min.

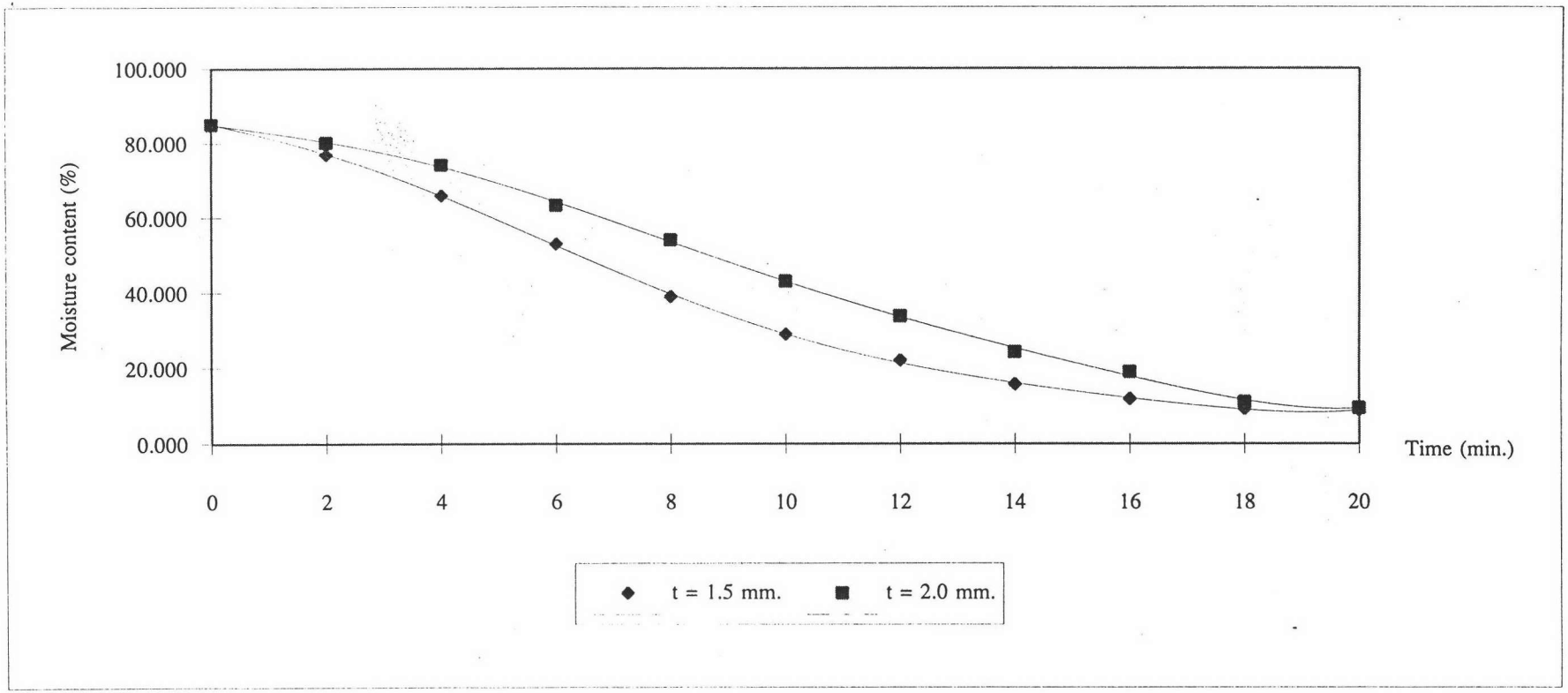


TABLE D-1.16

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
1	80.501	81.258
2	75.966	77.451
3	69.933	73.297
4	63.572	68.055
5	56.135	63.220
6	49.217	59.798
7	40.948	54.959
8	34.685	49.491
9	28.309	43.242
10	22.539	38.407
11	19.831	32.308
12	14.148	26.197
13	13.075	21.352
14	10.282	18.558
15	9.505	14.591
16	7.106	12.262
17	6.819	11.741
18	6.437	9.361
19	6.222	8.793
20	6.021	7.602

Fig. D-1.16

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.0 min.

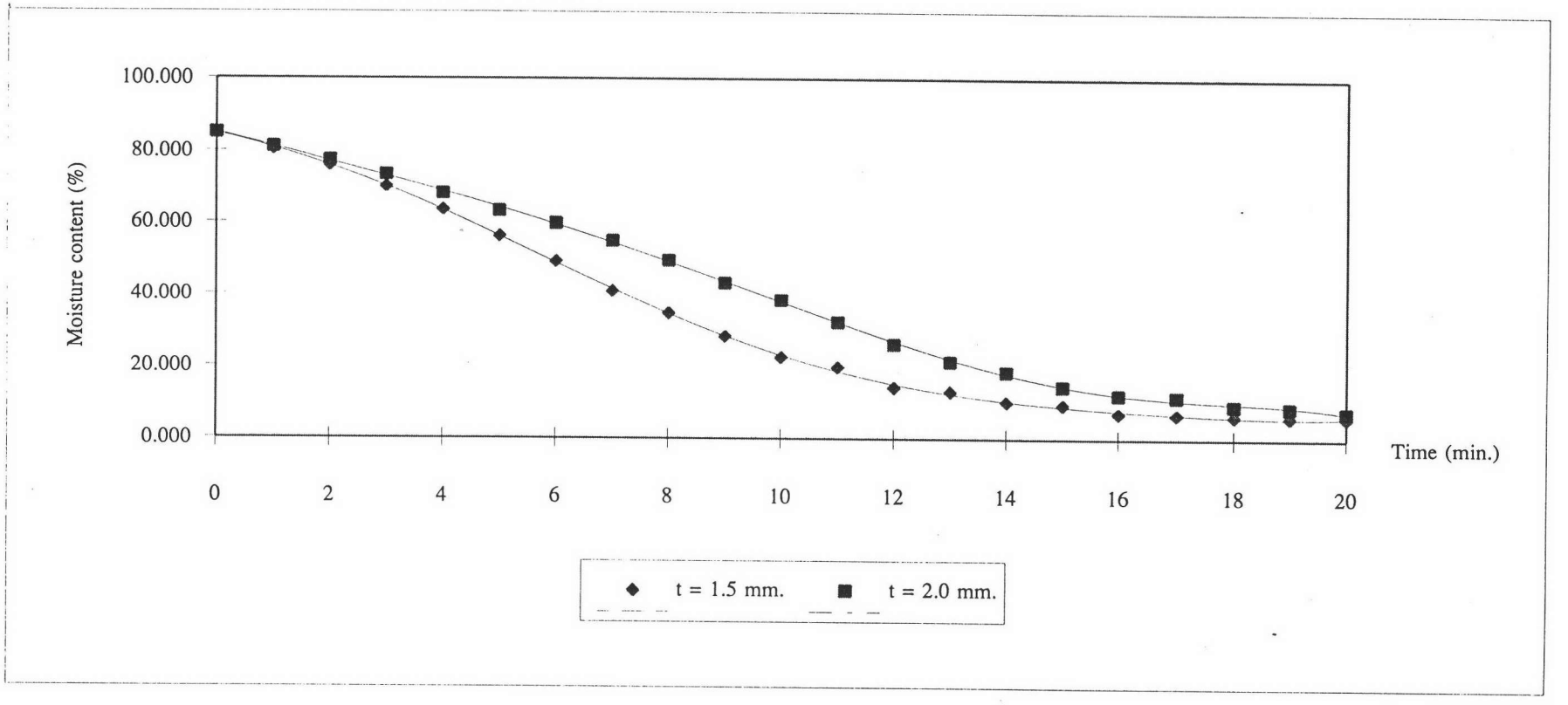


TABLE D-1.17

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.5 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
1.5	77.739	79.810
3	69.242	73.542
4.5	60.900	67.556
6	48.909	60.205
7.5	38.550	51.605
9	29.187	42.055
10.5	25.157	35.242
12	14.233	27.049
13.5	11.070	21.289
15	8.566	13.867
16.5	8.177	11.495
18	7.957	9.123
19.5	6.836	8.495

Fig. D-1.17

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.5 min.

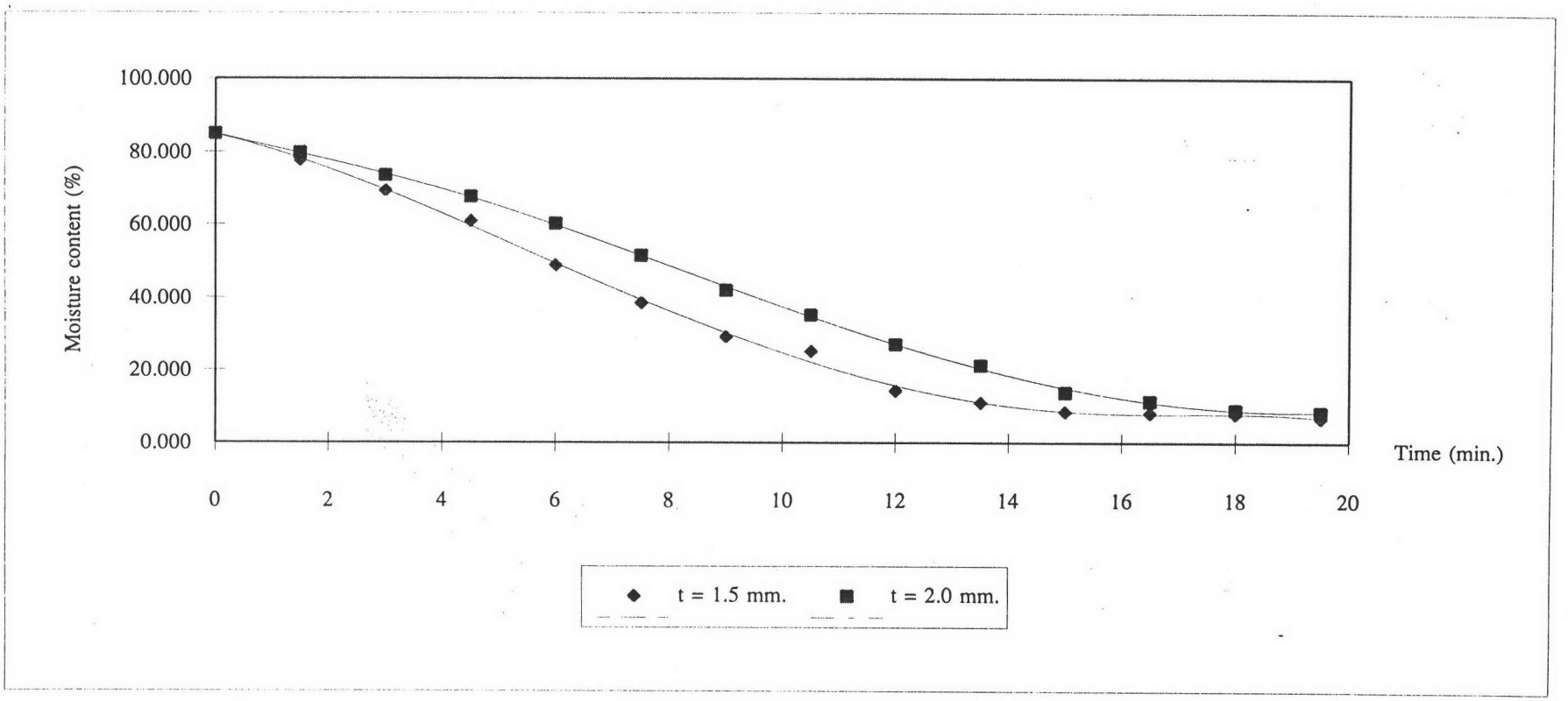


TABLE D-1.18

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 2.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
2	74.377	78.552
4	63.404	70.086
6	43.398	58.160
8	35.783	47.476
10	24.125	36.053
12	15.408	27.819
14	10.085	18.121
16	8.587	12.922
18	7.236	8.618
20	6.824	7.554

Fig. D-1.18

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 90.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 2.0 min.

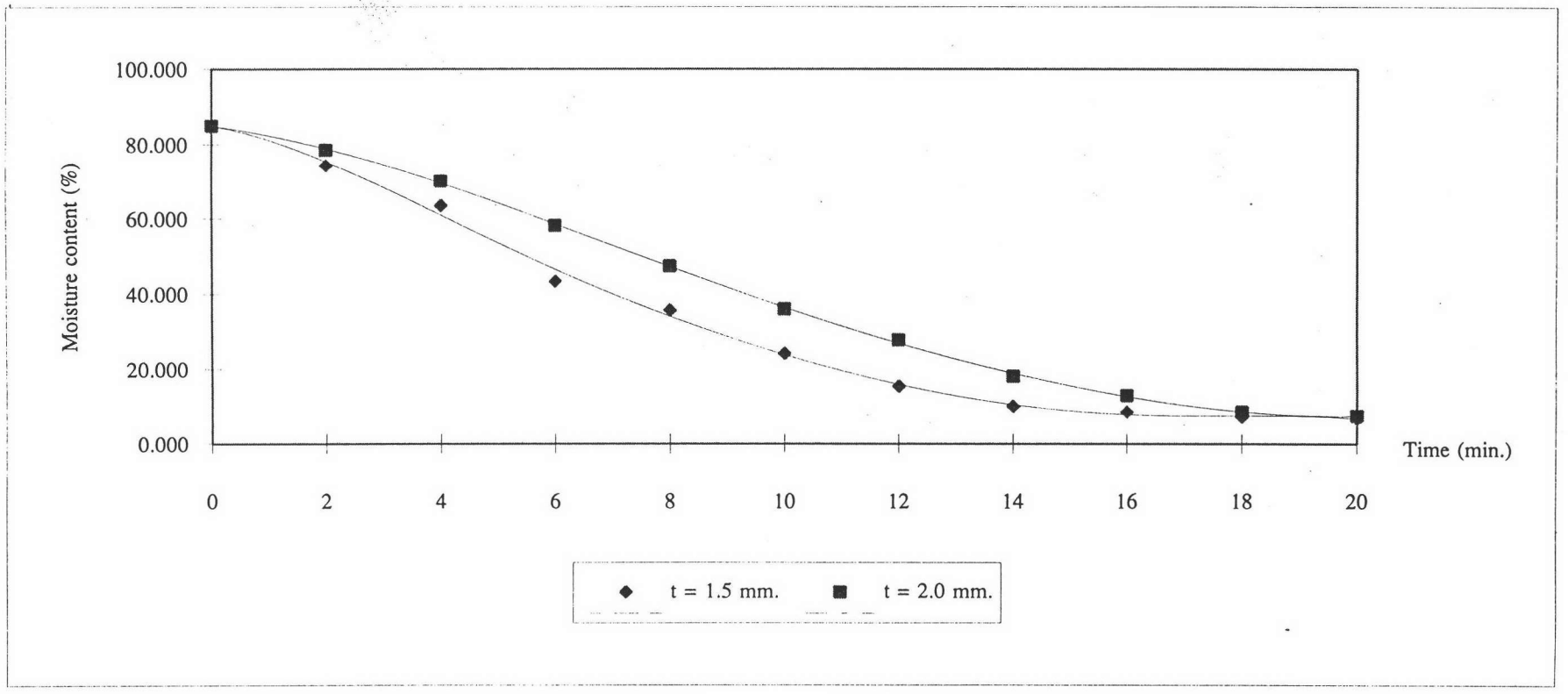


TABLE D-1.19

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	16	26.727	34.423
1	83.041	84.782	17	22.317	32.443
2	81.512	83.052	18	19.159	27.455
3	77.949	82.859	19	16.321	24.689
4	74.653	81.698	20	12.771	21.345
5	70.818	79.799	21	11.575	18.954
6	67.291	77.203	22	10.735	15.021
7	63.085	75.100	23	10.475	14.718
8	59.635	71.715	24	10.128	12.577
9	55.412	68.353	25	9.939	12.313
10	50.109	64.401	26	9.615	12.006
11	46.212	60.699	27	9.321	11.228
12	42.656	55.846	28	9.024	11.204
13	38.362	50.715	29	8.898	11.117
14	34.542	44.556	30	8.875	10.954
15	30.128	41.914			

Fig. D-1.19

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.0 min.

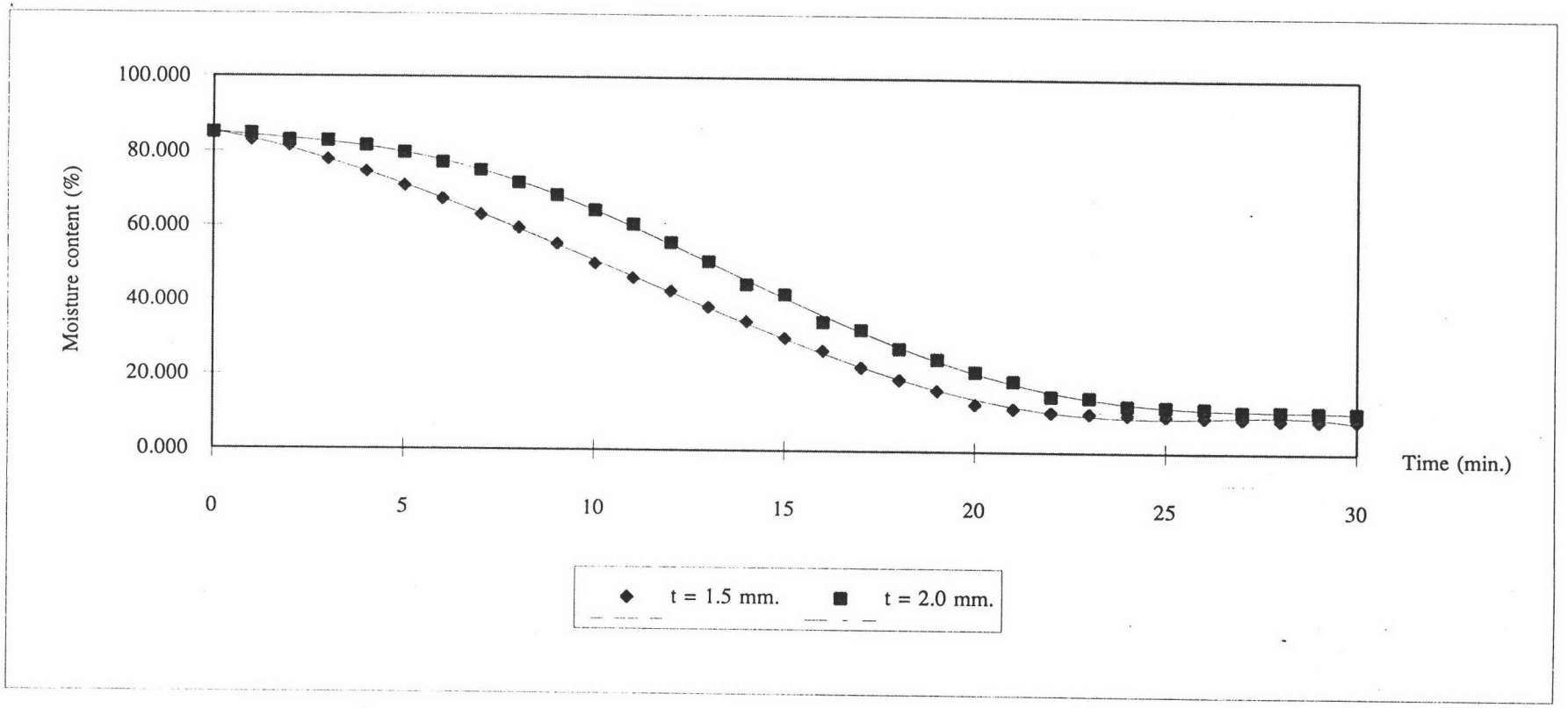


TABLE D-1.20

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.5 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	24	9.988	12.094
1.5	80.956	84.755	25.5	9.807	11.668
3	77.126	82.849	27	9.744	11.319
4.5	72.740	80.355	28.5	9.595	10.717
6	68.508	77.857	30	9.296	10.506
7.5	61.275	74.923			
9	55.534	67.984			
10.5	48.828	62.285			
12	42.183	55.647			
13.5	35.110	49.956			
15	30.088	40.338			
16.5	26.618	35.564			
18	19.589	26.221			
19.5	15.099	22.219			
21	11.611	19.543			
22.5	10.547	16.511			

Fig. D-1.20

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.5 min.

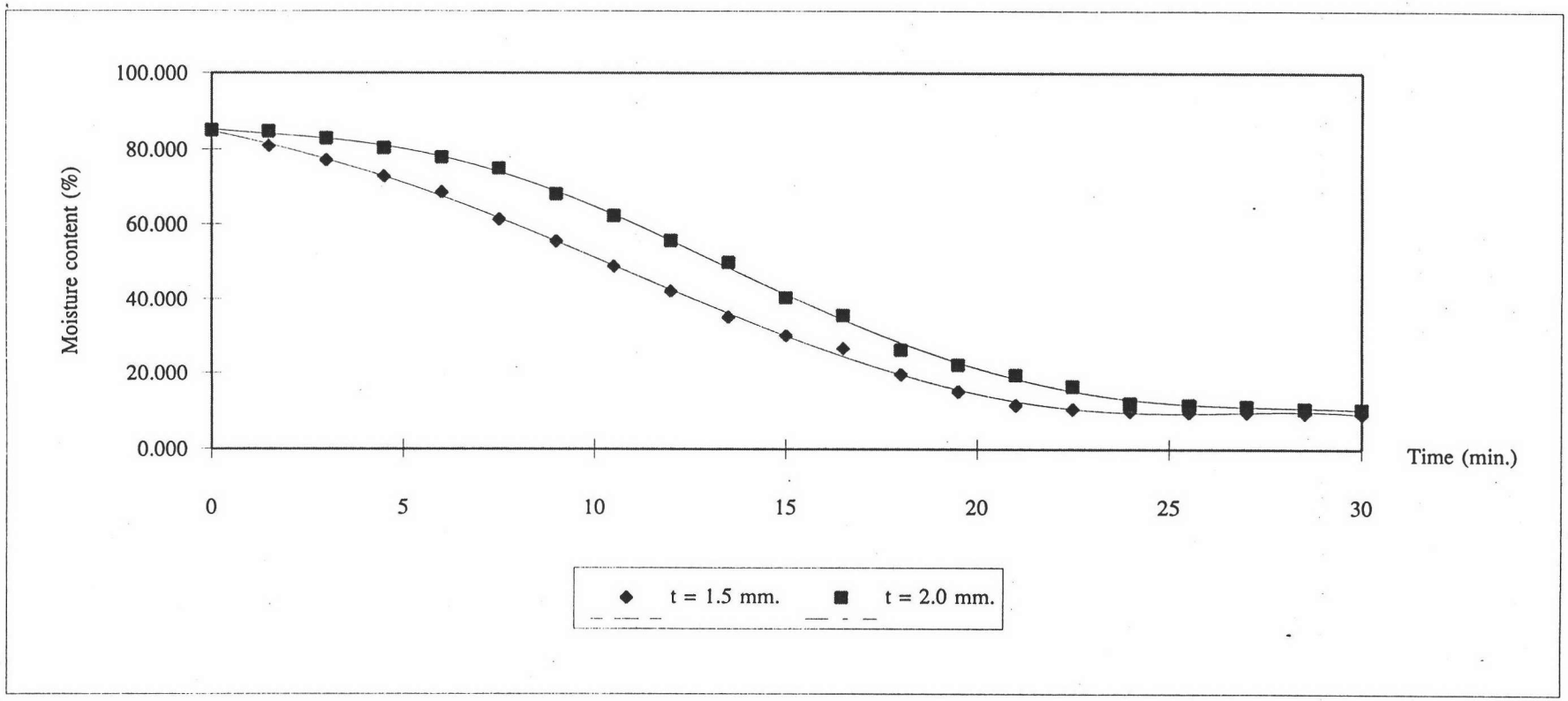


TABLE D-1.21

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 2.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.03
2	80.965	84.44
4	75.100	82.45
6	67.187	77.14
8	59.385	74.91
10	50.377	63.15
12	42.760	55.31
14	35.071	47.42
16	27.502	36.97
18	22.805	28.10
20	19.332	23.36
22	14.520	18.61
24	10.151	12.06
26	9.982	11.74
28	9.632	11.31
30	9.328	10.79

Fig. D-1.21

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 2.0 min.

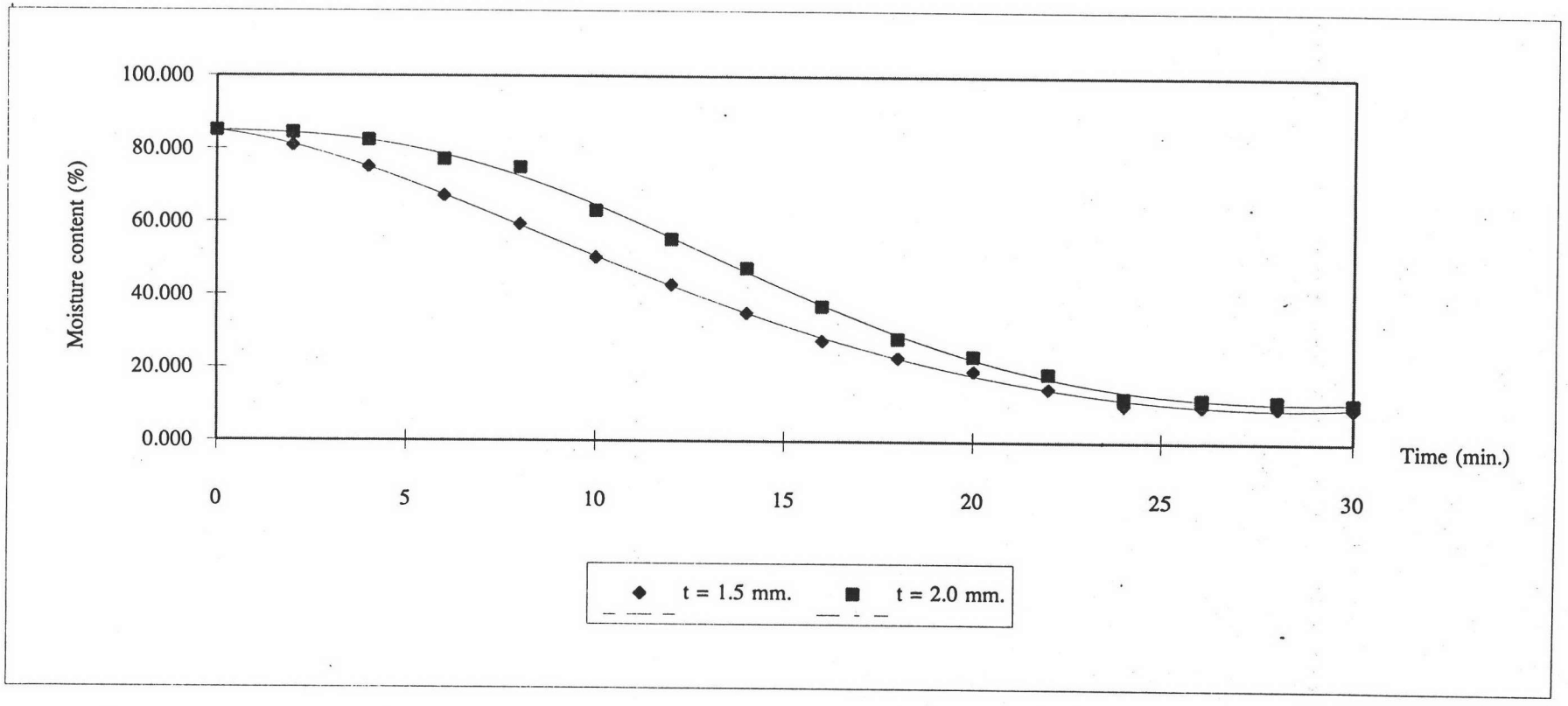


TABLE D-1.22

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	16	23.906	28.692
1	83.097	84.630	17	19.837	24.103
2	80.705	83.069	18	16.914	19.618
3	76.426	80.814	19	13.764	18.316
4	72.994	79.519	20	10.256	17.117
5	68.641	76.718	21	9.835	15.733
6	64.399	74.096	22	9.703	11.670
7	60.242	70.608	23	9.510	10.510
8	55.470	69.881	24	9.475	9.671
9	51.402	65.083	25	9.284	9.266
10	47.203	60.742	26	8.613	8.997
11	42.058	55.206	27	8.465	8.927
12	38.366	50.308	28	8.208	8.909
13	35.375	45.012	29	8.060	8.811
14	30.733	38.908	30	7.481	8.850
15	27.588	33.493			

Fig. D-1.22

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.0 min.

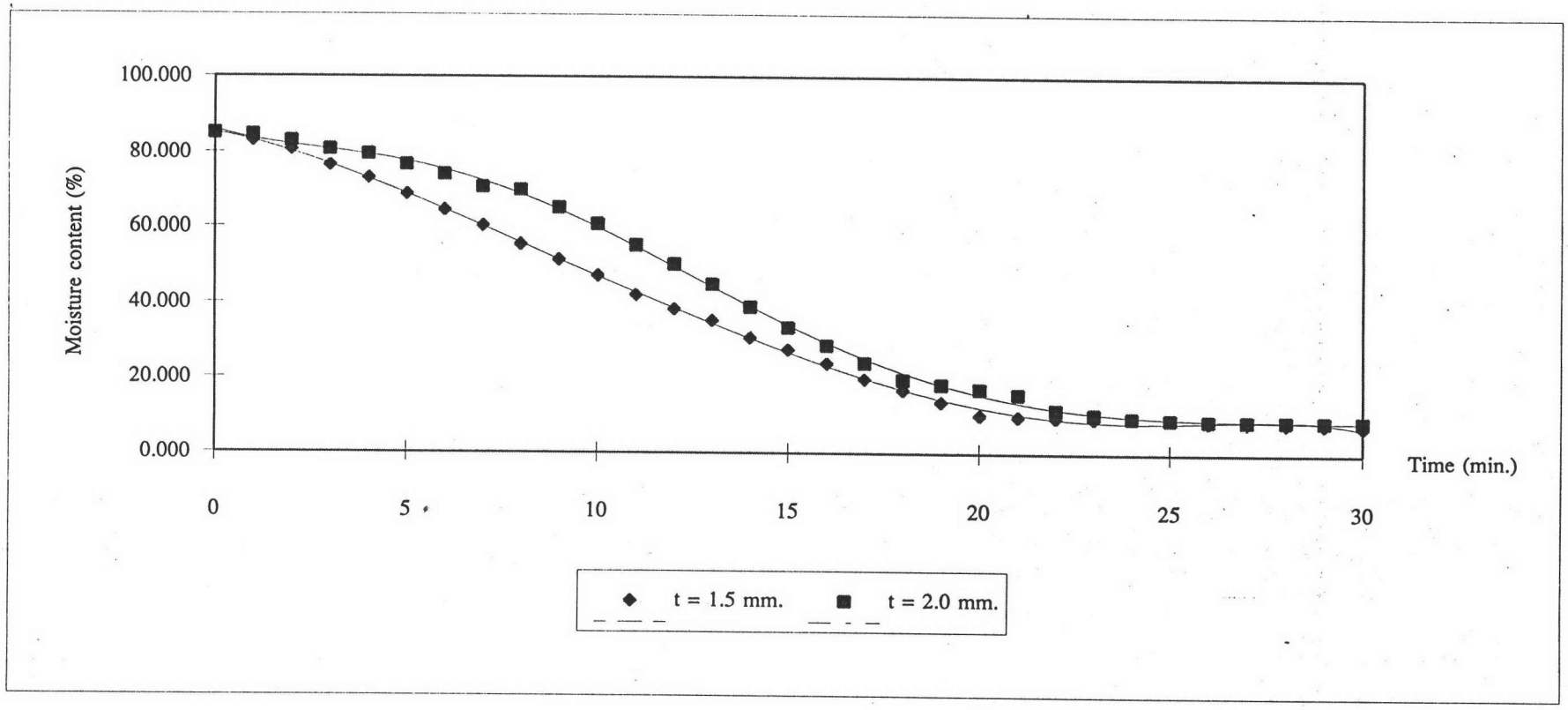


TABLE D-1.23

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.5 min.

Time	Moisture content of veneer		Time	Moisture content of veneer	
(min.)	Thickness of veneer ; t		(min.)	Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	24	9.180	10.177
1.5	79.511	83.893	25.5	8.840	9.612
3	76.123	81.286	27	8.639	9.275
4.5	70.918	78.655	28.5	9.326	8.717
6	64.907	75.955	30	8.065	8.599
7.5	57.116	70.642			
9	51.020	63.776			
10.5	45.240	58.359			
12	38.733	50.219			
13.5	32.091	43.302			
15	25.666	35.520			
16.5	21.477	29.204			
18	16.490	21.906			
19.5	12.148	18.699			
21	9.984	15.050			
22.5	9.483	10.699			

Fig. D-1.23

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.5 min.

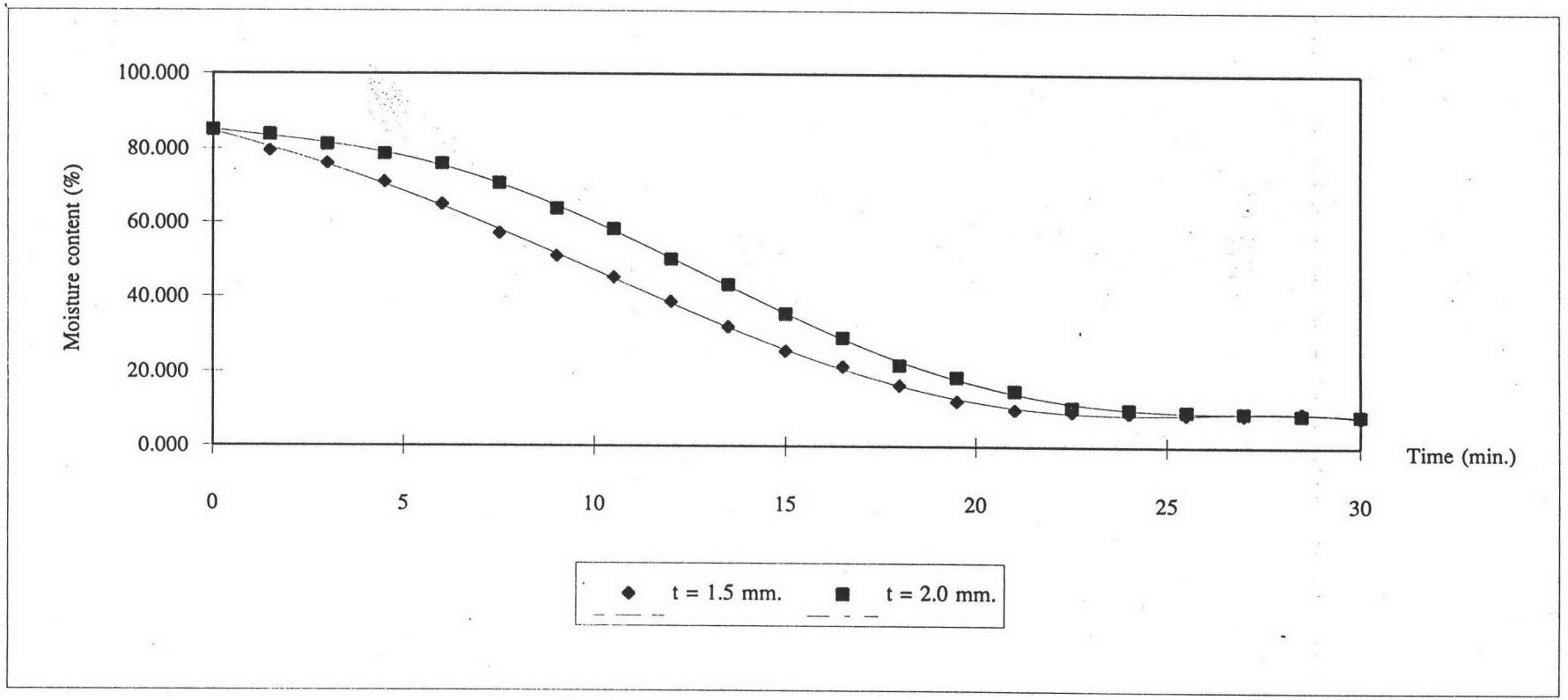


TABLE D-1.24

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 2.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.03
2	79.433	84.44
4	72.022	82.45
6	64.178	77.14
8	55.131	74.91
10	47.012	63.15
12	38.124	55.31
14	30.817	47.42
16	25.084	36.97
18	17.587	28.10
20	15.300	23.36
22	11.530	18.61
24	9.744	12.06
26	8.571	11.74
28	7.904	11.31
30	7.589	10.79

Fig. D-1.24

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 2.0 min.

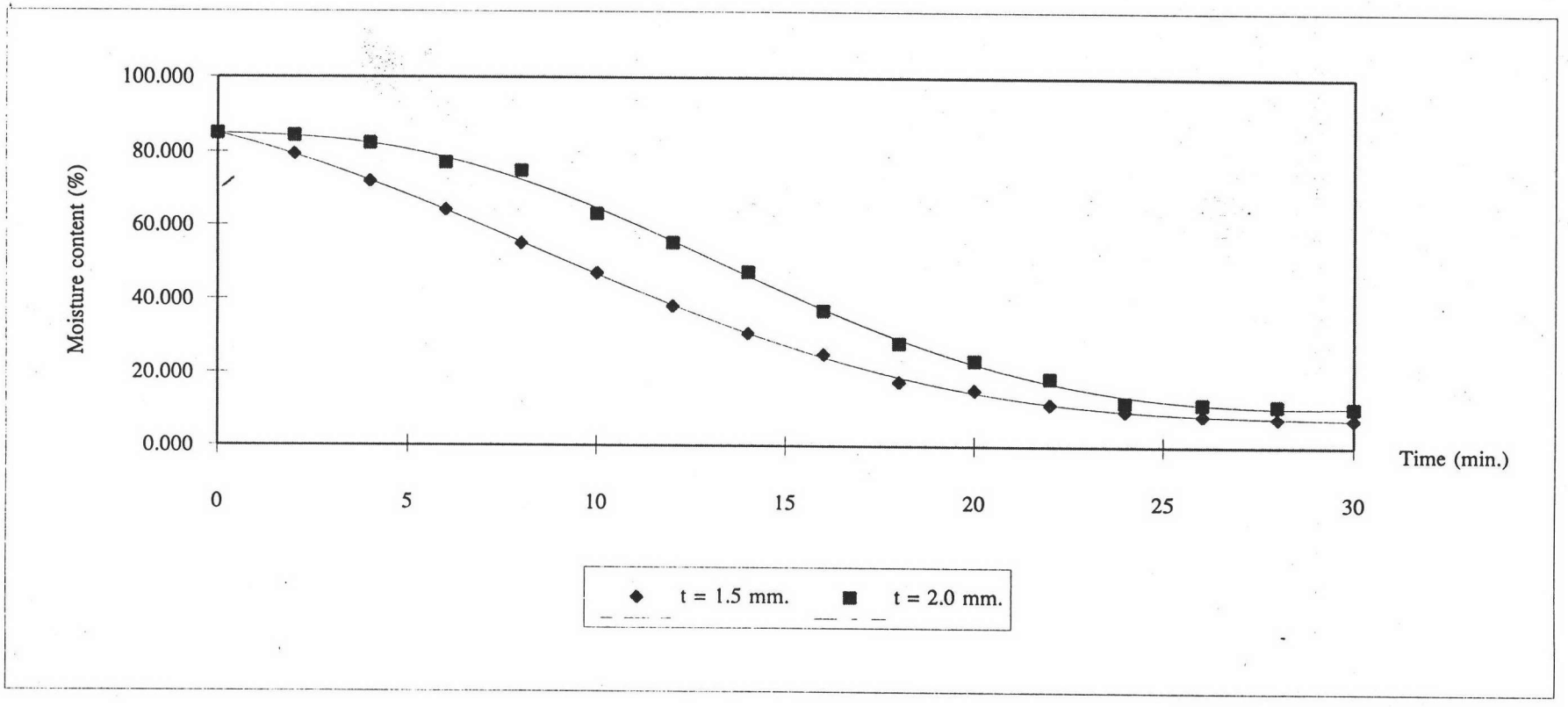


TABLE D-1.25

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	16	18.570	22.453
1	82.917	83.530	17	15.058	20.649
2	80.510	81.216	18	12.380	15.021
3	75.810	79.658	19	10.637	12.521
4	70.177	76.020	20	9.774	12.013
5	66.210	74.606	21	8.752	11.193
6	62.738	69.982	22	8.272	9.600
7	58.092	65.261	23	7.917	8.642
8	52.670	62.005	24	7.710	8.394
9	48.469	55.734	25	7.594	7.520
10	42.315	51.546	26	7.444	7.520
11	38.503	45.017	27	7.350	7.011
12	33.139	40.106	28	7.211	6.707
13	29.106	35.592	29	6.787	6.428
14	25.160	29.208	30	6.491	5.019
15	21.262	26.903			

Fig. D-1.25

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.0 min.

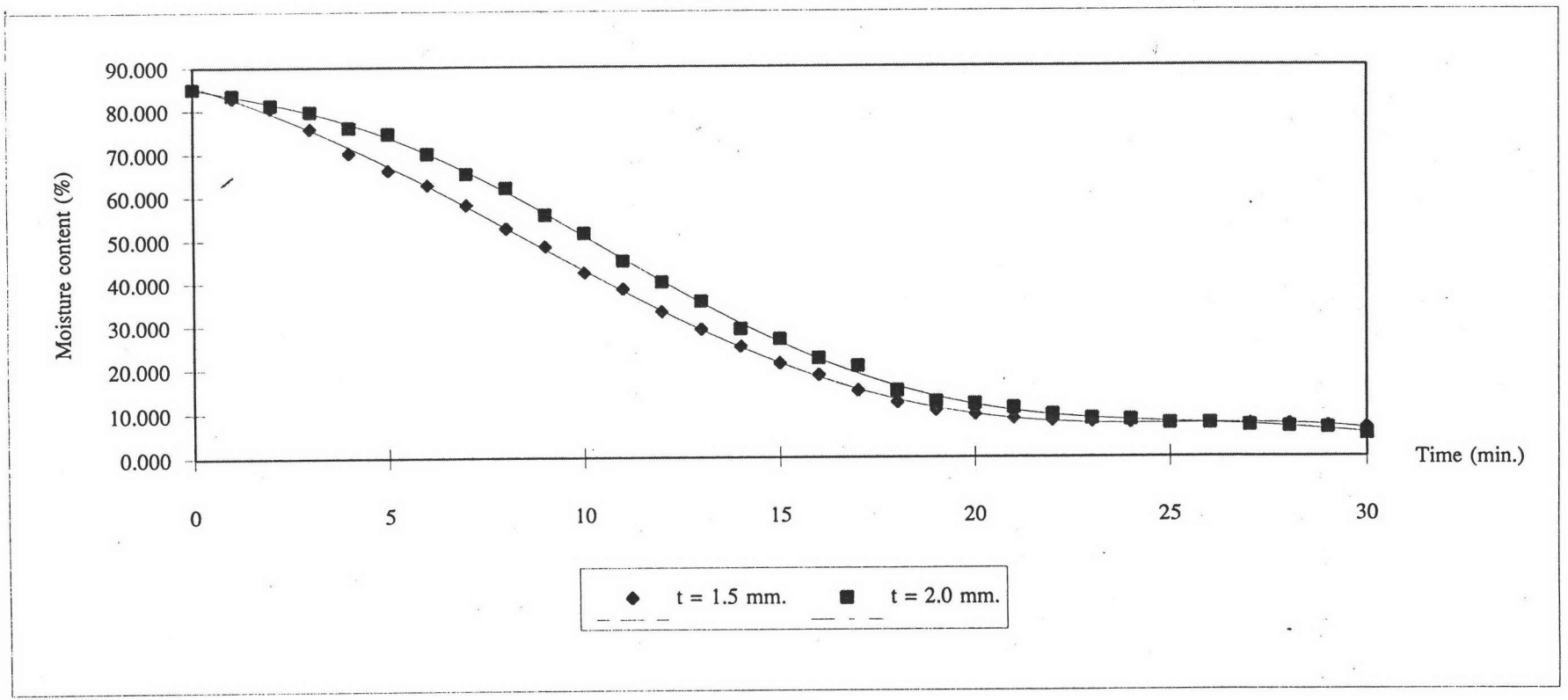


TABLE D-1.26

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.5 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	24	7.674	8.166
1.5	78.591	82.537	25.5	7.480	7.476
3	75.191	80.077	27	7.163	7.287
4.5	69.892	75.710	28.5	6.896	6.996
6	62.249	72.973	30	6.070	6.711
7.5	54.897	61.793			
9	47.186	56.043			
10.5	40.381	50.592			
12	33.490	40.114			
13.5	27.922	34.803			
15	20.024	26.415			
16.5	18.173	20.923			
18	12.798	15.082			
19.5	9.636	13.518			
21	8.846	10.282			
22.5	8.520	8.724			

Fig. D-1.26

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.5 min.

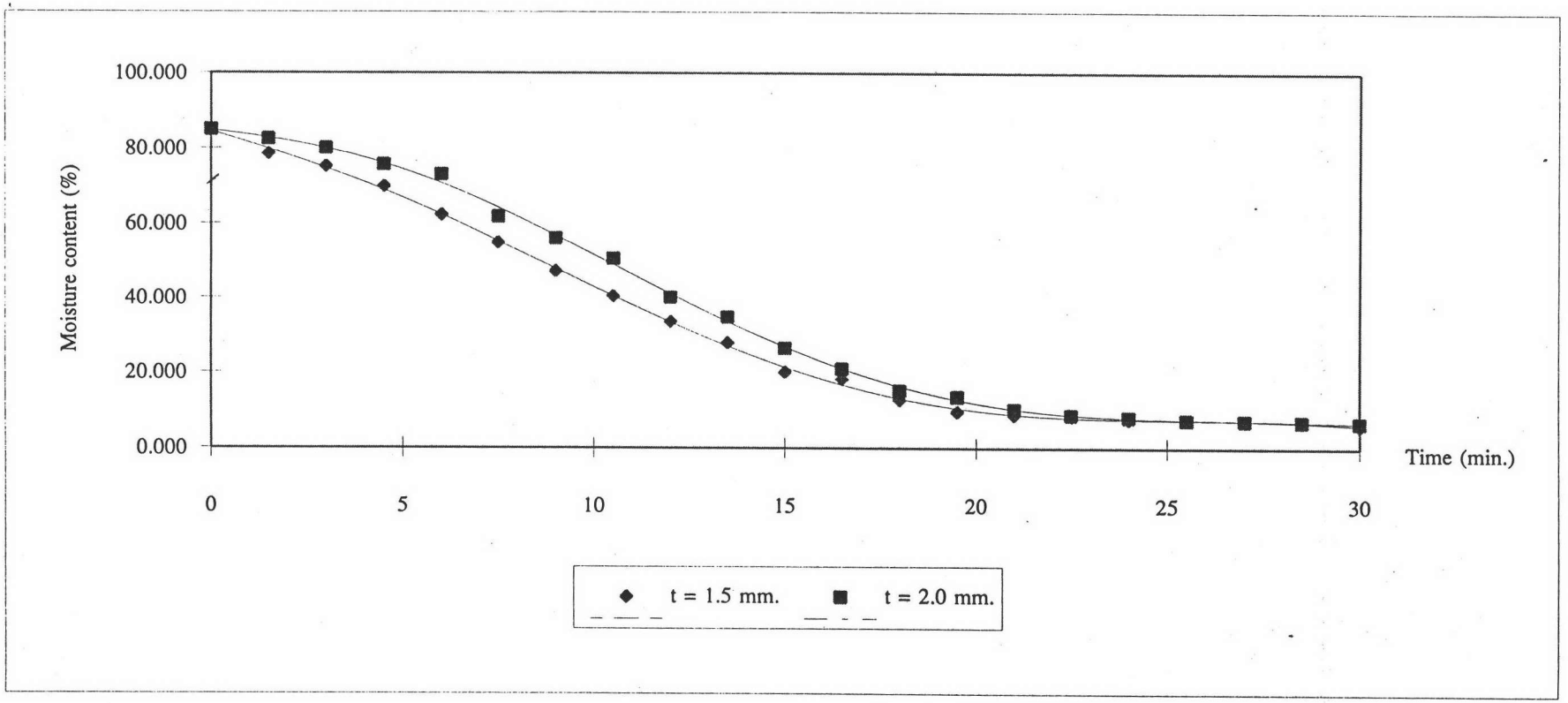


TABLE D-1.27

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 2.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.03
2	78.822	83.10
4	70.969	79.98
6	61.590	75.80
8	51.159	69.38
10	42.720	58.85
12	34.027	50.55
14	24.163	38.72
16	20.117	28.22
18	14.077	24.13
20	11.539	18.53
22	8.042	12.08
24	7.347	10.36
26	6.599	9.95
28	6.317	9.66
30	5.470	9.25

Fig. D-1.27

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 80.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 2.0 min.

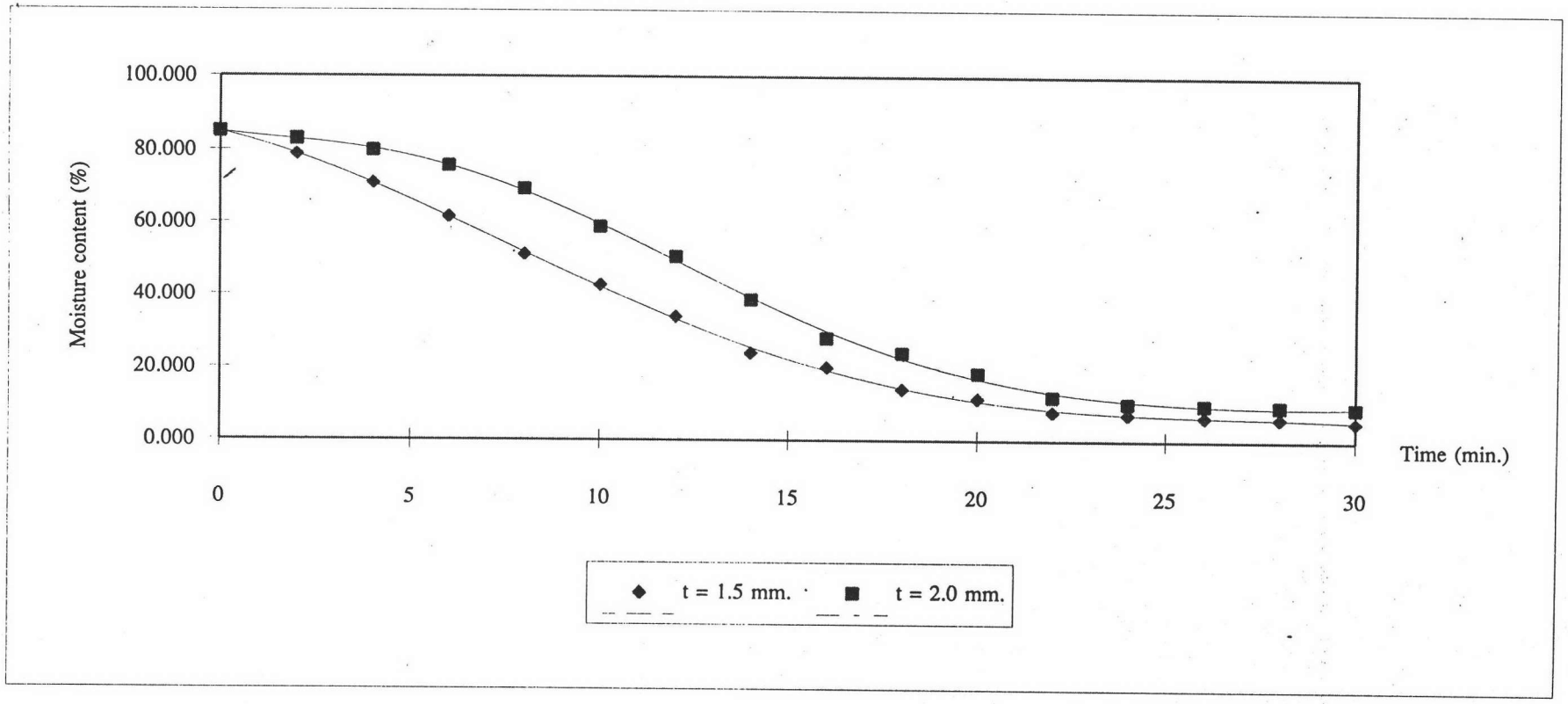


TABLE D-1.28

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	16	48.194	54.085
1	84.747	84.646	17	45.959	50.900
2	83.840	84.296	18	40.553	46.306
3	82.495	83.882	19	36.392	42.751
4	80.251	82.149	20	32.253	38.684
5	79.754	81.417	21	27.544	34.044
6	77.034	80.156	22	24.663	30.353
7	75.715	78.523	23	20.171	28.827
8	72.139	77.920	24	17.192	24.157
9	69.788	75.704	25	15.455	22.842
10	67.543	74.494	26	12.981	20.498
11	66.993	70.695	27	10.813	17.708
12	60.418	66.636	28	10.345	15.898
13	57.190	65.559	29	9.955	13.257
14	55.561	63.734	30	9.923	12.221
15	52.946	59.249			

Fig. D-1.28

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.0 min.

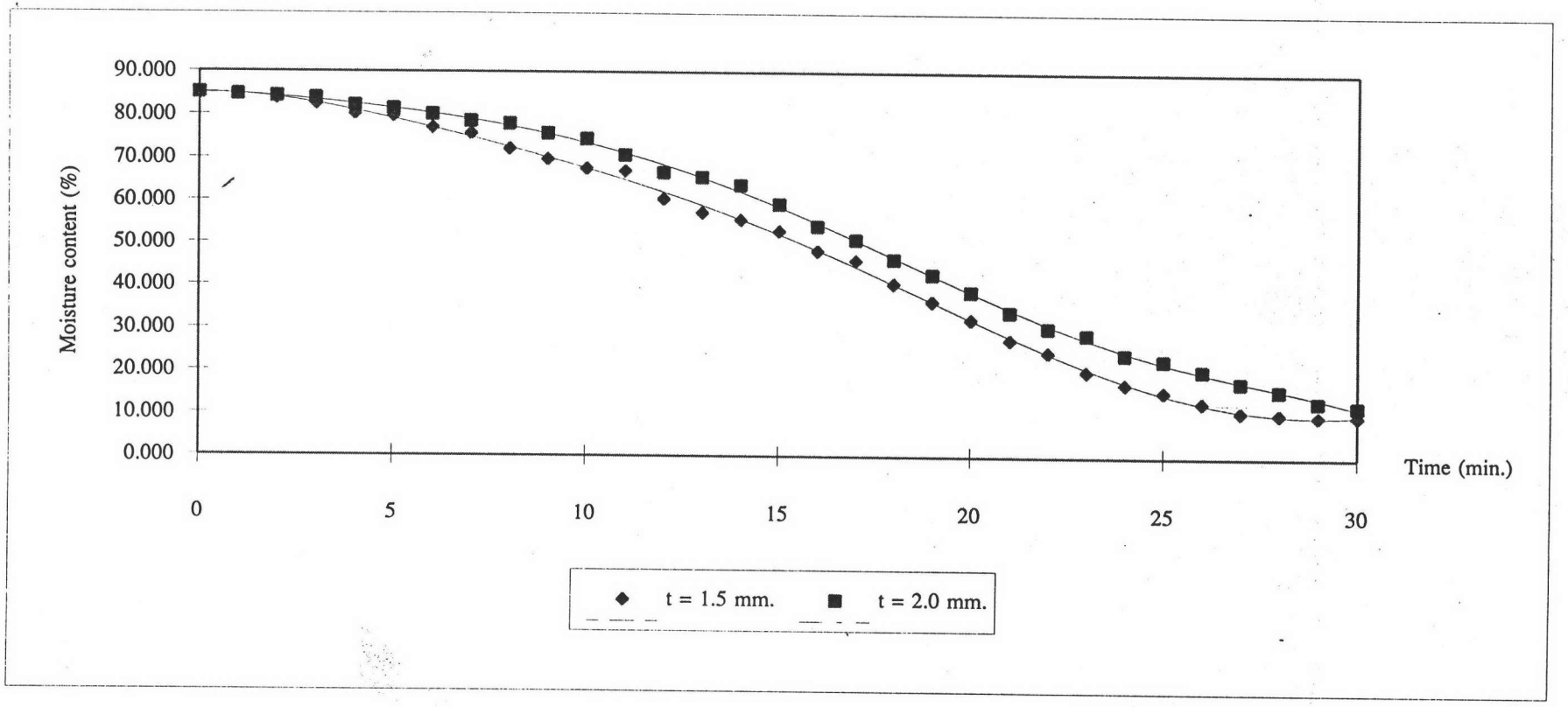


TABLE D-1.29

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.5 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	24	17.578	26.848
1.5	84.210	84.970	25.5	14.858	22.842
3	82.055	83.796	27	11.556	18.252
4.5	80.521	82.450	28.5	10.520	16.595
6	77.330	80.924	30	9.315	14.638
7.5	74.799	78.105			
9	69.601	75.995			
10.5	65.743	70.910			
12	61.240	66.920			
13.5	57.094	62.055			
15	52.495	56.052			
16.5	45.845	50.919			
18	39.606	44.343			
19.5	35.069	40.301			
21	28.037	36.816			
22.5	23.300	30.454			

Fig. D-1.29

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.5 min.

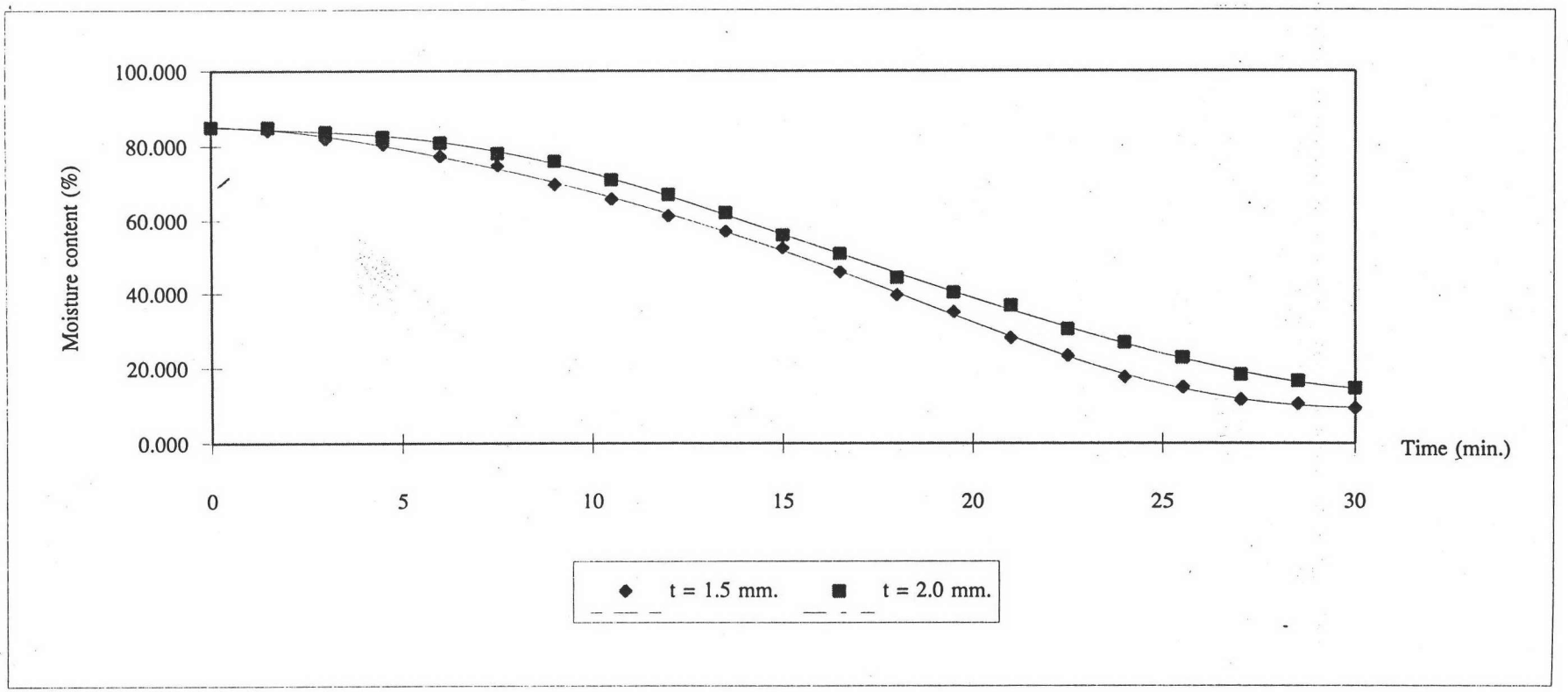


TABLE D-1.30

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 2.0 min.

Time	Moisture content of veneer	
(min.)	Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
2	82.787	85.000
4	80.296	84.275
6	78.064	81.342
8	73.483	77.588
10	70.412	74.373
12	61.123	68.533
14	55.264	61.129
16	49.864	56.340
18	40.314	48.001
20	31.786	42.037
22	24.671	34.249
24	20.600	28.019
26	16.843	22.319
28	10.950	16.334
30	9.971	12.930

Fig. D-1.30

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 2.0 min.

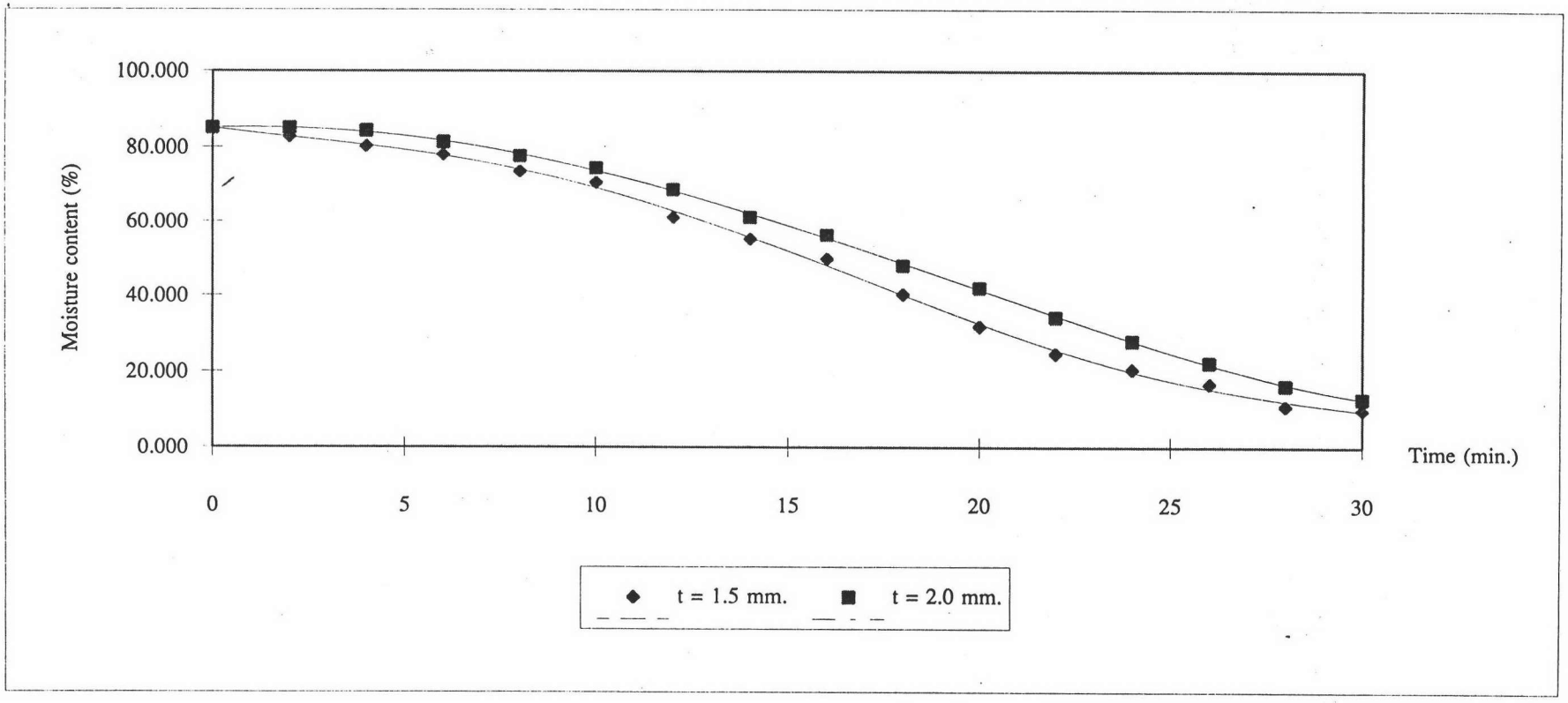


TABLE D-1.31

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	16	42.241	47.594
1	84.378	84.540	17	39.850	44.254
2	83.023	83.558	18	35.703	40.355
3	81.003	82.742	19	32.361	38.540
4	79.014	81.316	20	28.545	34.253
5	78.221	80.492	21	25.154	31.349
6	75.507	78.783	22	20.623	28.395
7	72.895	76.033	23	18.684	25.105
8	70.140	74.593	24	15.645	22.731
9	67.422	72.938	25	13.943	20.652
10	63.059	68.953	26	10.797	18.700
11	59.257	64.034	27	9.691	16.136
12	55.856	60.140	28	9.243	15.375
13	53.789	57.846	29	8.805	12.624
14	51.655	54.921	30	8.068	11.856
15	47.393	50.639			

Fig. D-1.31

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.0 min.

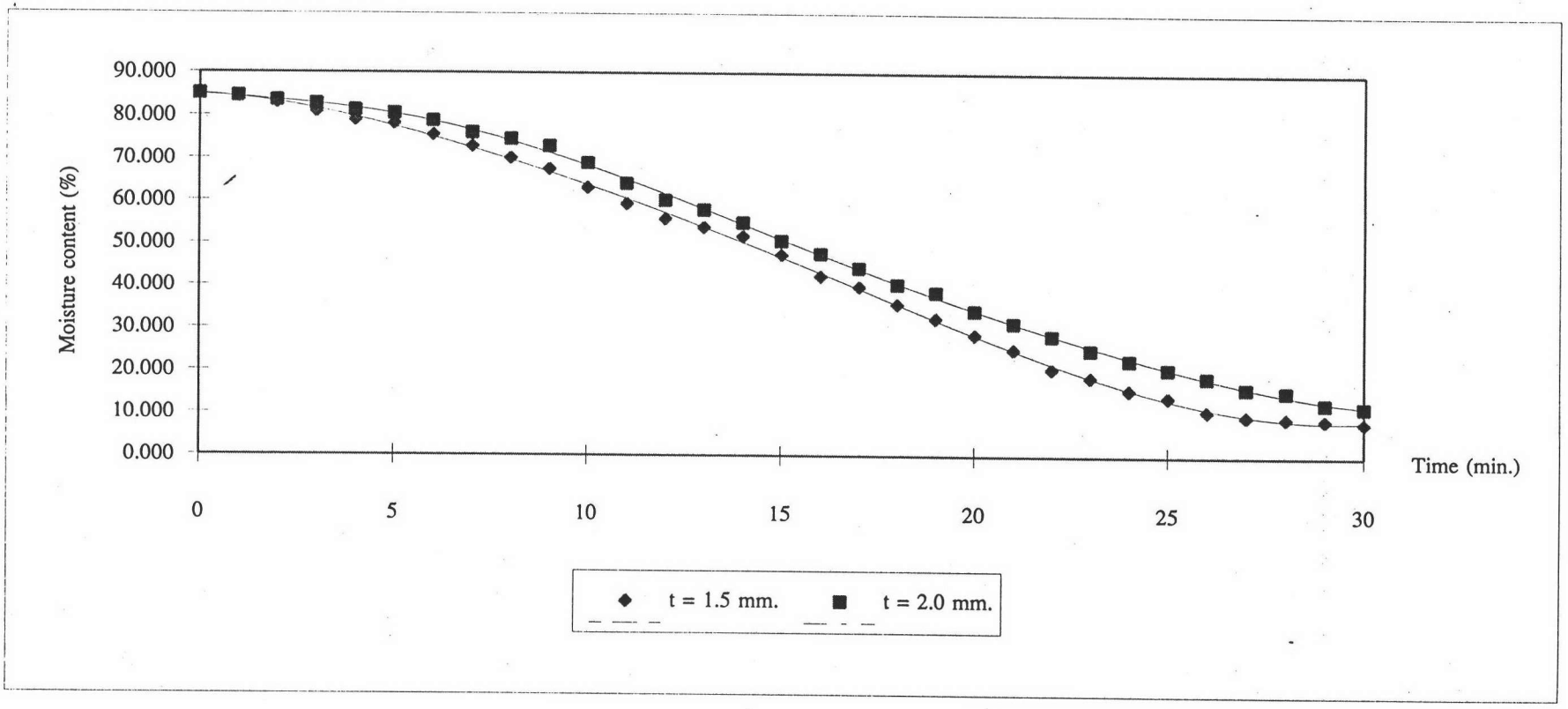


TABLE D-1.32

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.5 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	24	15.593	20.937
1.5	83.855	83.803	25.5	12.622	16.831
3	81.690	82.016	27	10.732	13.157
4.5	79.055	80.558	28.5	9.818	11.922
6	74.041	79.289	30	9.052	10.336
7.5	71.691	76.440			
9	67.857	71.942			
10.5	62.519	68.550			
12	57.193	62.393			
13.5	53.594	58.259			
15	48.545	52.550			
16.5	40.783	46.634			
18	35.881	42.643			
19.5	30.734	36.216			
21	24.186	30.059			
22.5	18.397	25.043			

Fig. D-1.32

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.5 min.

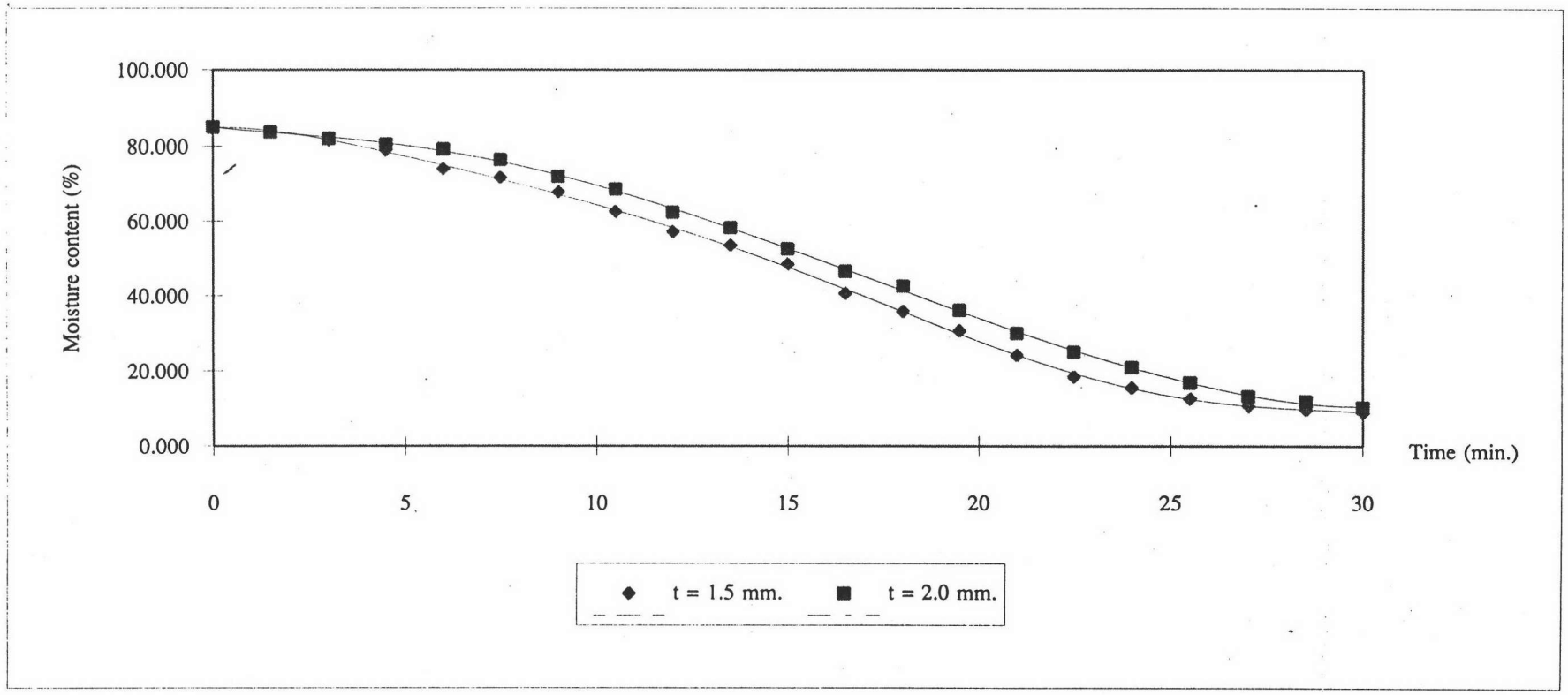


TABLE D-1.33

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 2.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
2	81.809	84.144
4	79.160	82.297
6	75.005	78.478
8	70.039	74.243
10	65.247	68.938
12	57.708	64.630
14	50.308	56.081
16	45.716	50.053
18	35.817	43.336
20	30.000	36.734
22	24.300	32.824
24	19.700	26.453
26	16.000	22.218
28	12.000	16.159
30	9.264	11.355

Fig. D-1.33

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 2.0 min.

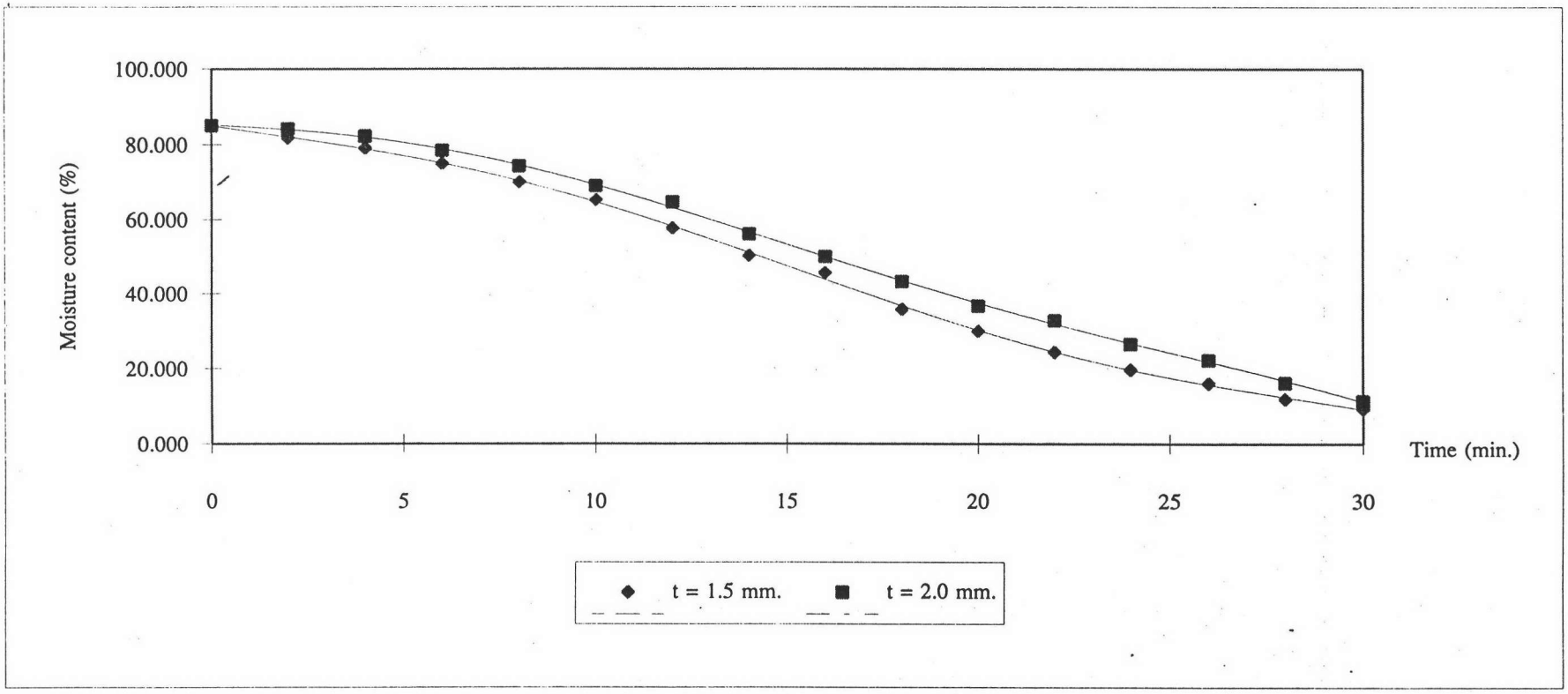


TABLE D-1.34

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	16	37.860	44.996
1	83.175	83.303	17	32.759	40.740
2	81.959	82.980	18	28.604	36.155
3	79.188	80.719	19	25.016	32.816
4	78.771	80.217	20	21.521	28.300
5	73.506	78.913	21	18.816	26.877
6	70.055	76.448	22	15.711	23.818
7	69.581	74.526	23	12.959	20.608
8	65.771	72.993	24	10.320	18.190
9	62.729	69.940	25	9.531	16.560
10	58.617	64.486	26	8.941	14.957
11	53.442	60.830	27	8.348	12.649
12	50.050	57.700	28	7.749	11.516
13	48.364	54.704	29	7.154	10.759
14	44.116	50.253	30	6.280	10.006
15	40.551	47.400			

Fig. D-1.34

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.0 min.

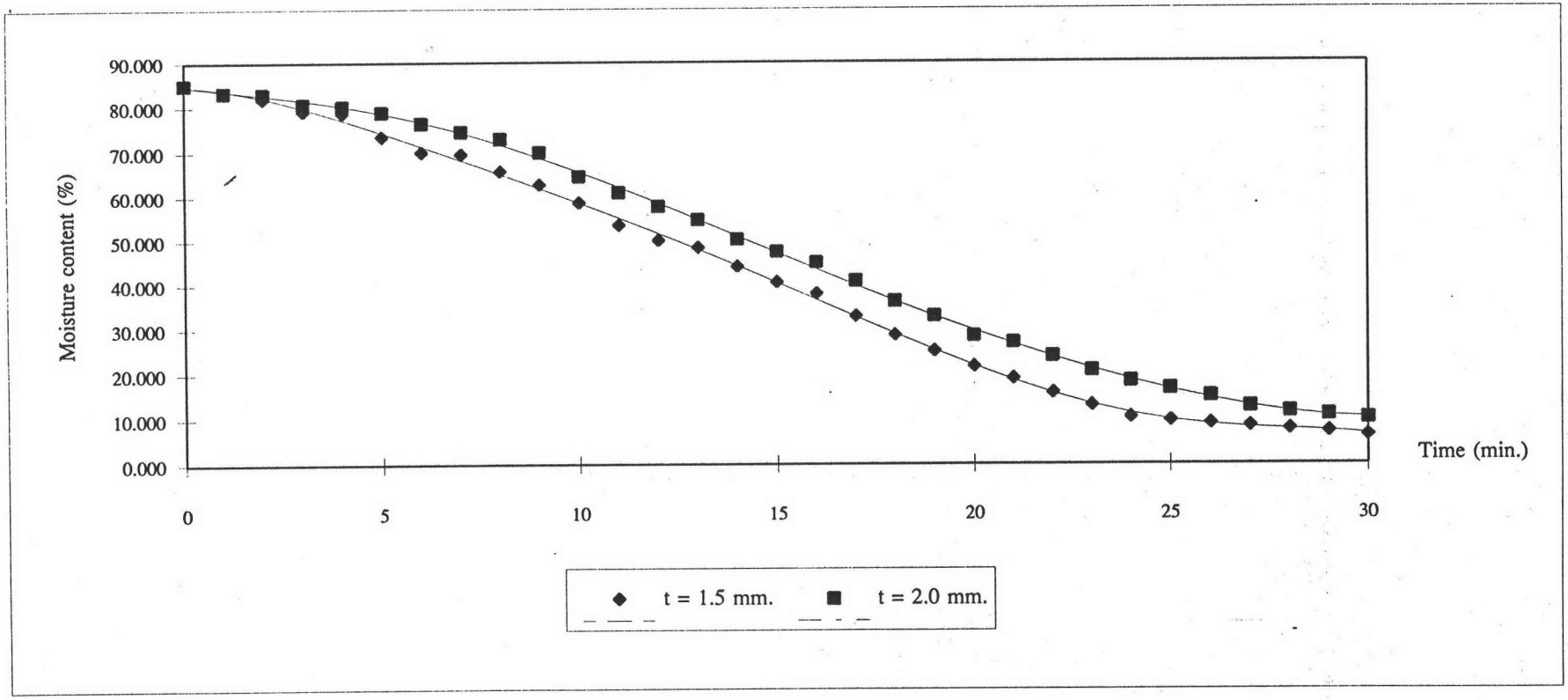


TABLE D-1.35

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.5 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	24	11.112	16.559
1.5	82.555	82.209	25.5	9.621	14.594
3	79.353	80.723	27	9.291	12.056
4.5	76.308	78.648	28.5	8.997	11.039
6	71.663	76.783	30	8.288	10.011
7.5	67.348	72.827			
9	63.736	68.380			
10.5	56.403	64.217			
12	51.334	59.952			
13.5	46.426	54.259			
15	41.673	46.055			
16.5	35.449	40.717			
18	28.719	34.736			
19.5	23.494	28.059			
21	18.387	24.868			
22.5	13.402	20.947			

Fig. D-1.35

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.5 min.

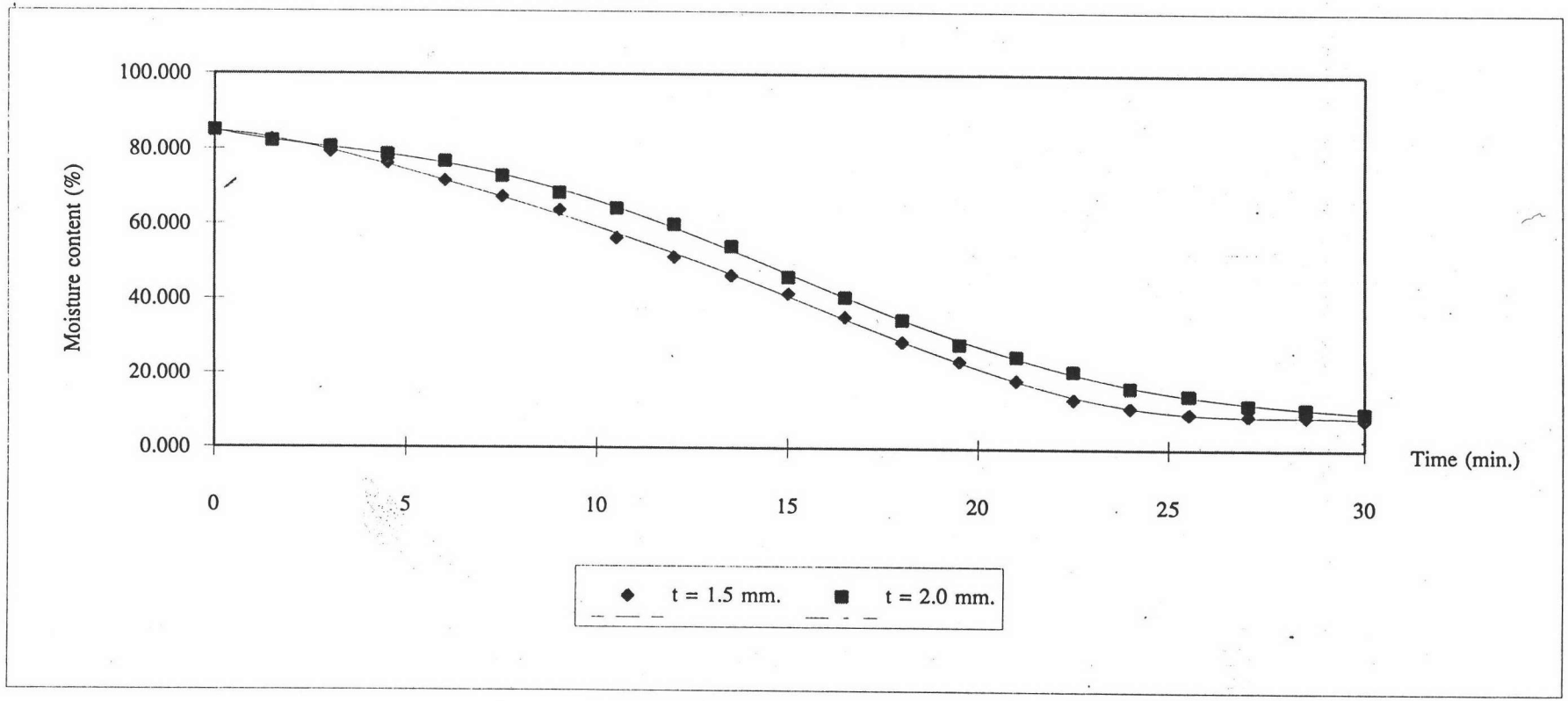


TABLE D-1.36

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 2.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
2	79.744	82.925
4	77.427	78.096
6	70.520	74.510
8	65.759	70.614
10	57.044	64.454
12	52.308	56.441
14	45.394	51.740
16	37.574	44.114
18	29.163	36.625
20	20.860	28.002
22	15.139	20.602
24	10.267	16.065
26	8.152	14.000
28	8.527	11.400
30	7.381	10.125

Fig. D-1.36

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 70.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 2.0 min.

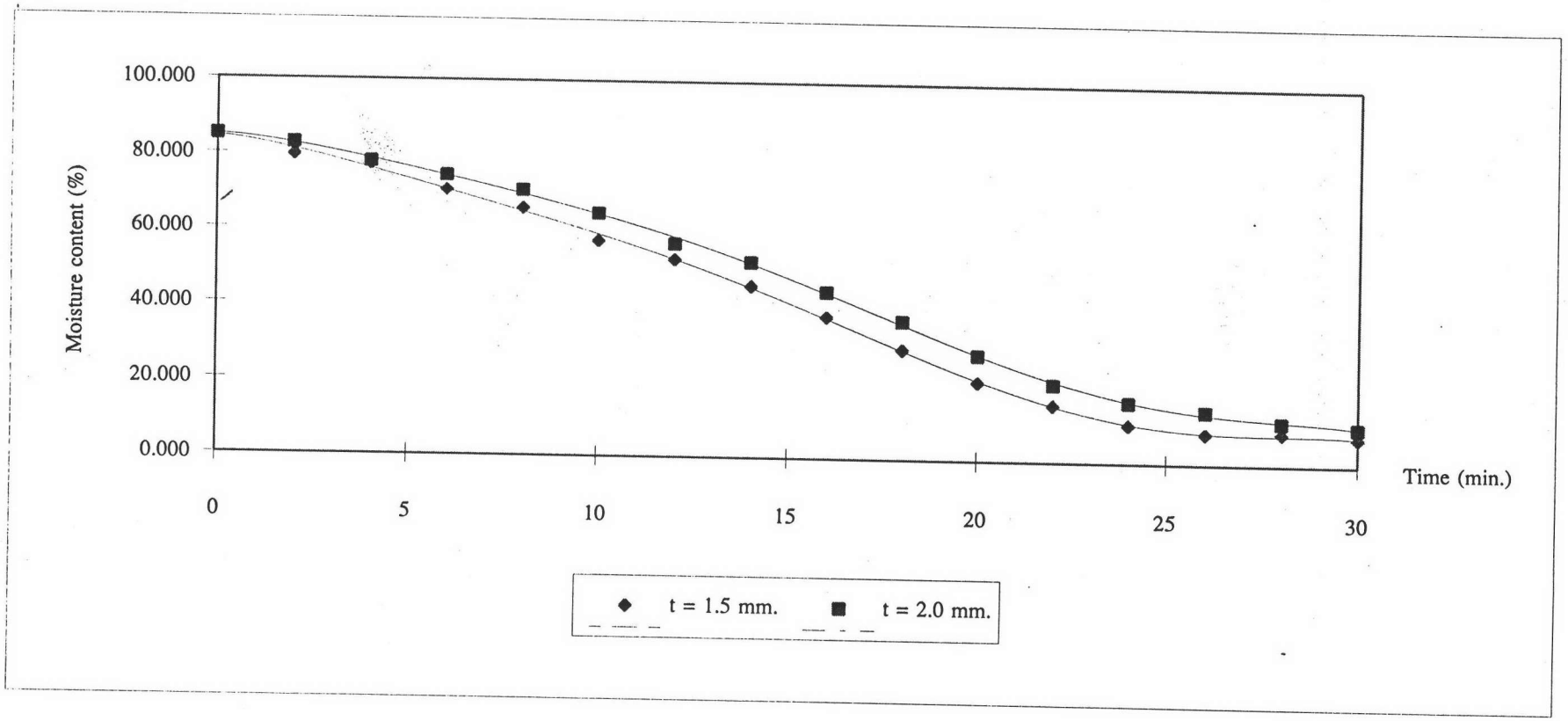


TABLE D-1.37

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	16	57.853	60.552
1	84.511	85.034	17	54.944	58.610
2	84.112	85.000	18	48.247	53.995
3	83.854	84.610	19	45.609	50.479
4	83.257	83.907	20	41.641	48.148
5	82.957	83.356	21	39.230	44.078
6	82.471	82.194	22	35.894	40.883
7	81.985	81.351	23	31.409	36.836
8	79.959	80.517	24	28.499	33.695
9	78.897	77.841	25	24.823	30.474
10	75.253	76.854	26	21.492	26.725
11	72.317	73.529	27	19.293	22.991
12	69.419	71.099	28	15.836	19.389
13	67.655	69.361	29	13.356	16.133
14	63.119	67.297	30	10.557	13.624
15	58.603	63.601			

Fig. D-1.37

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.0 min.

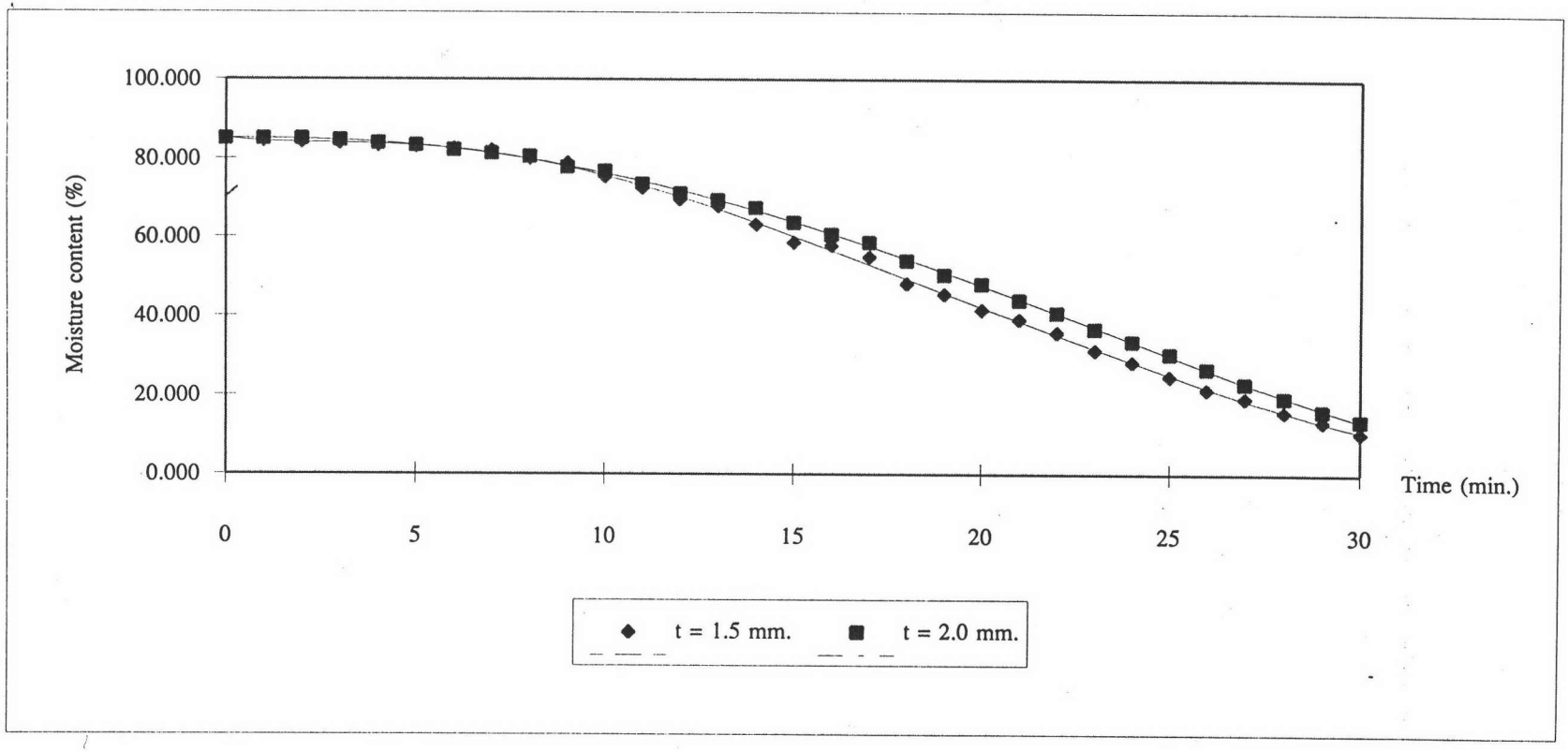


TABLE D-1.38

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.5 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	24	26.225	31.538
1.5	85.900	84.715	25.5	24.488	28.840
3	84.440	84.146	27	18.223	23.612
4.5	83.761	83.995	28.5	15.481	18.239
6	81.681	83.037	30	10.869	13.902
7.5	80.523	82.601			
9	78.846	80.698			
10.5	74.955	78.214			
12	69.651	74.337			
13.5	65.420	70.558			
15	60.993	66.812			
16.5	56.985	61.210			
18	48.423	55.229			
19.5	44.225	48.110			
21	39.647	44.040			
22.5	34.300	38.503			

Fig. D-1.38

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 1.5 min.

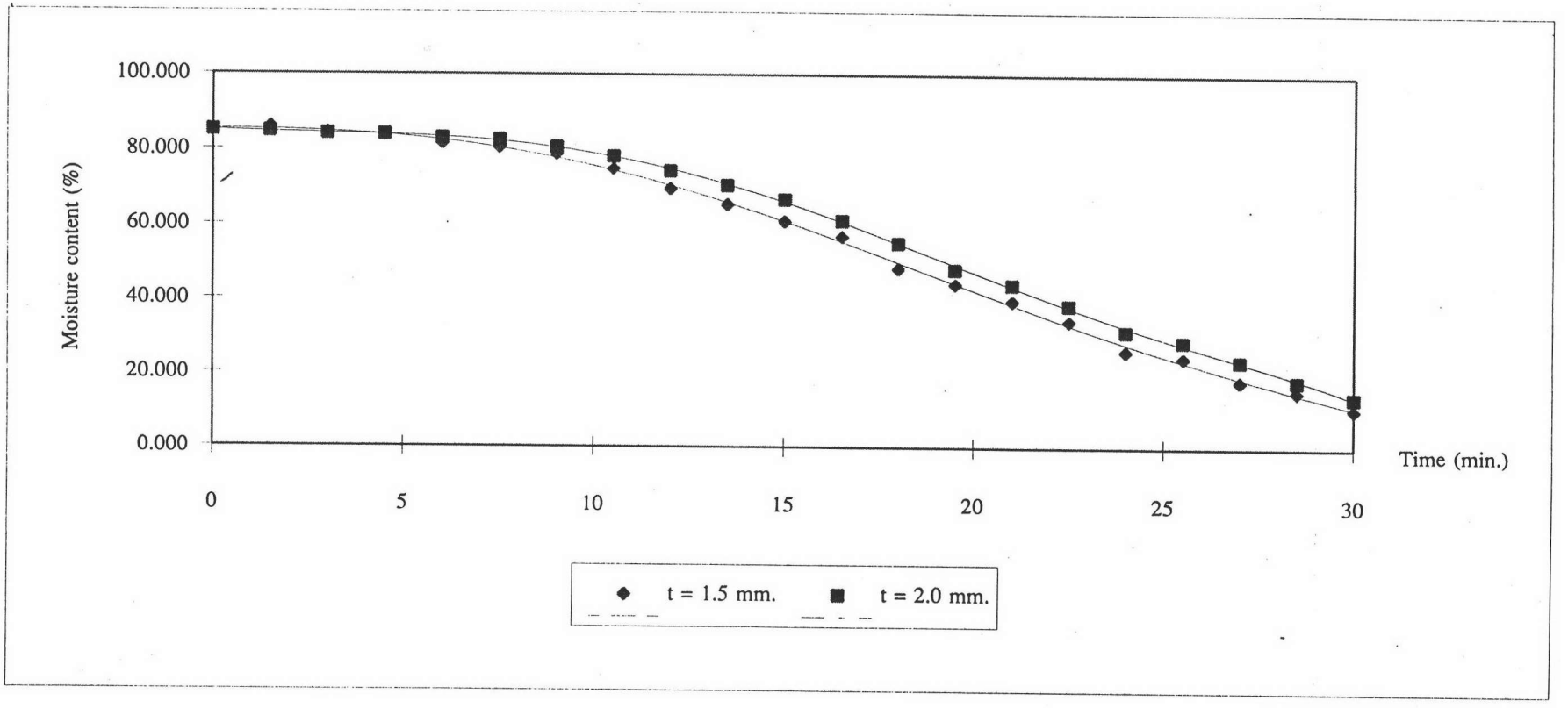


TABLE D-1.39

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 2.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
2	84.159	84.237
4	83.516	83.738
6	82.740	82.233
8	79.853	80.916
10	75.741	76.292
12	68.617	71.141
14	62.712	66.401
16	56.905	61.242
18	50.281	54.182
20	42.755	47.635
22	35.156	40.293
24	28.442	32.339
26	21.000	26.733
28	14.714	18.010
30	10.979	12.084

Fig. D-1.39

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 1.5 m/s

Resident time 2.0 min.

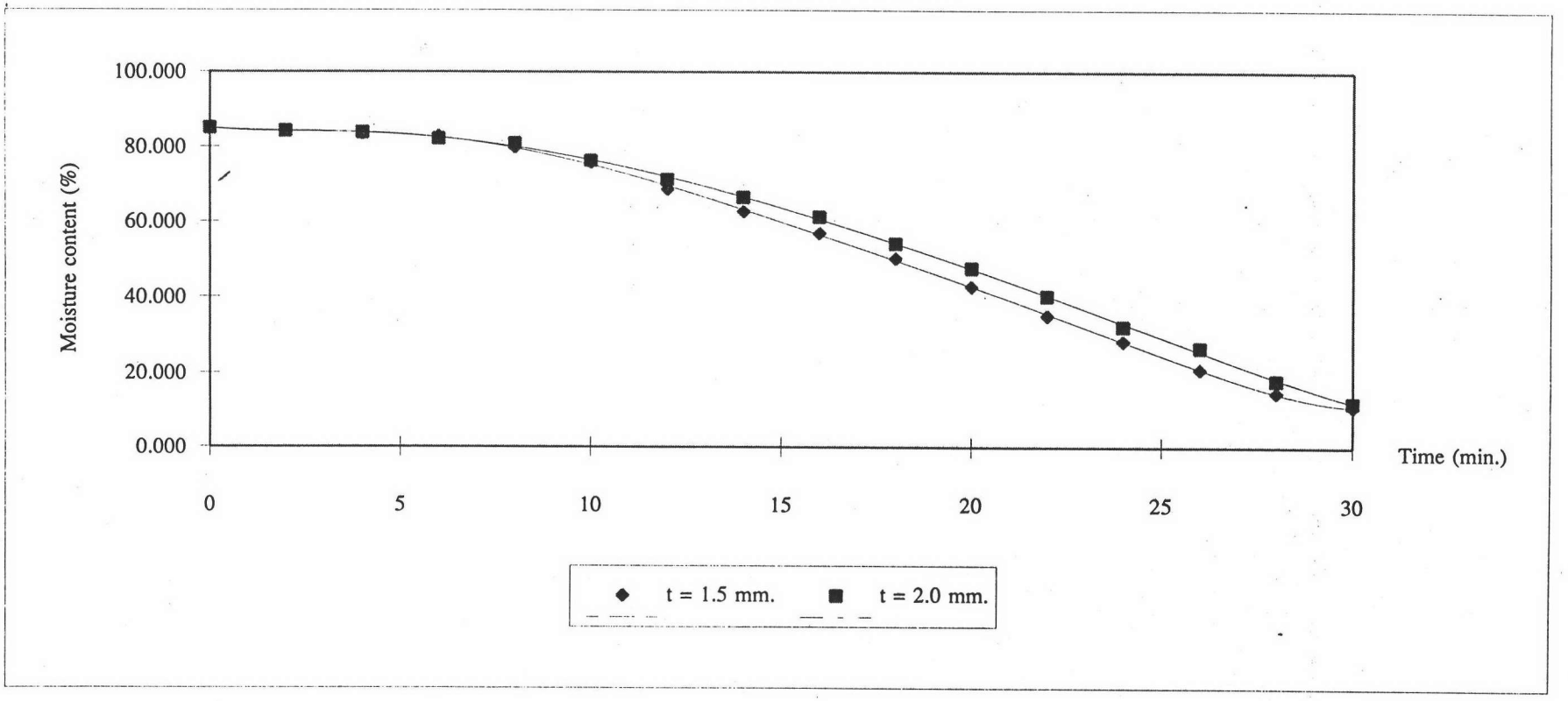


TABLE D-1.40

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	16	53.158	58.548
1	84.353	84.909	17	49.398	54.196
2	83.314	84.523	18	44.730	50.339
3	82.000	84.102	19	41.441	46.536
4	81.707	83.443	20	37.357	43.752
5	81.109	82.098	21	33.770	40.231
6	80.749	82.207	22	27.816	36.134
7	77.753	80.002	23	24.950	32.001
8	75.708	78.596	24	22.244	29.016
9	72.293	76.407	25	19.399	24.732
10	70.542	74.905	26	16.007	20.613
11	67.638	72.789	27	14.125	17.393
12	63.146	70.809	28	12.119	14.601
13	61.446	67.875	29	11.520	12.995
14	58.418	65.643	30	9.862	11.541
15	56.498	61.313			

Fig. D-1.40

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.0 min.

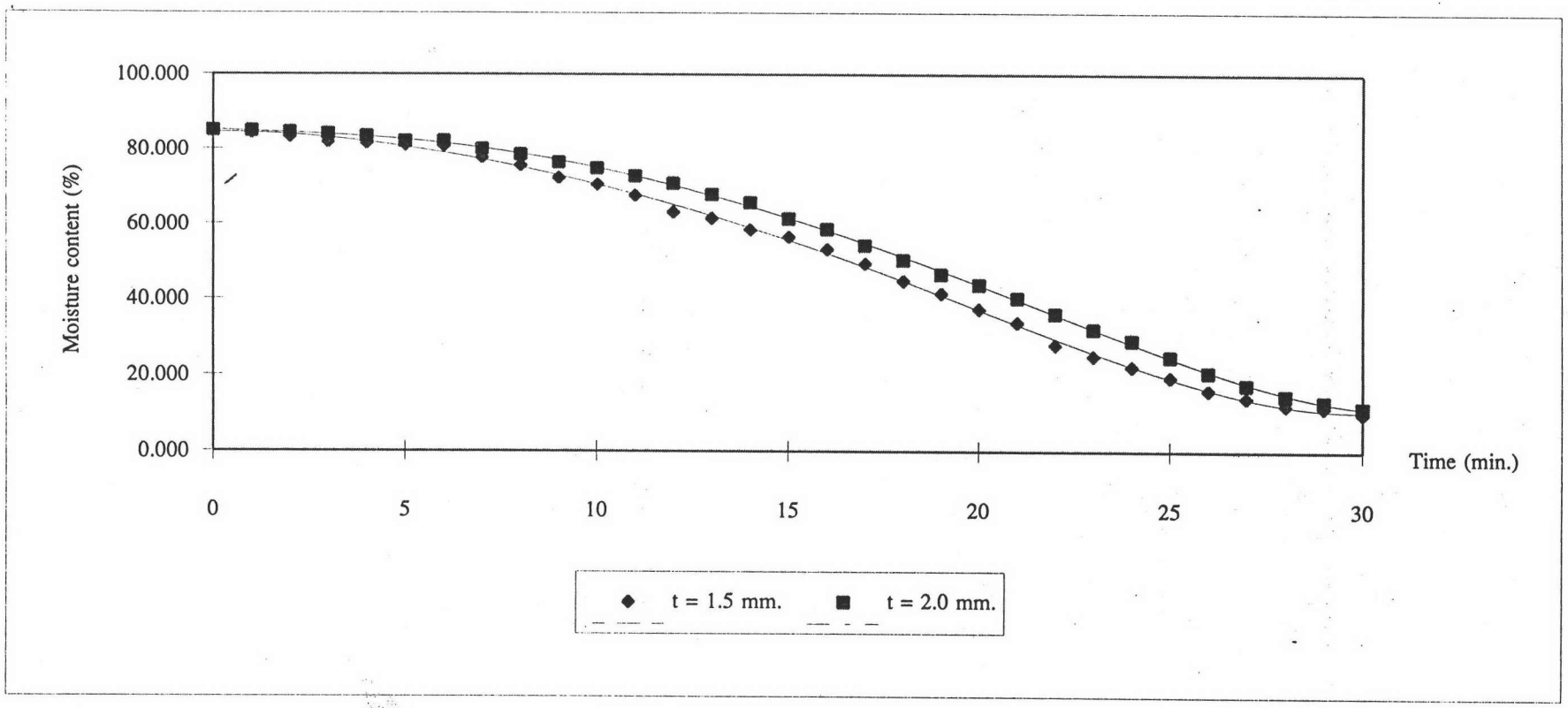


TABLE D-1.41

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.5 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	24	23.746	30.987
1.5	83.993	84.439	25.5	18.657	24.041
3	80.610	83.064	27	14.886	19.402
4.5	79.910	82.546	28.5	11.889	15.610
6	78.940	81.107	30	10.147	12.091
7.5	75.921	80.779			
9	74.453	78.972			
10.5	68.320	74.324			
12	65.417	71.650			
13.5	60.858	67.506			
15	55.451	63.098			
16.5	50.108	59.743			
18	45.252	53.047			
19.5	39.411	48.552			
21	32.431	42.538			
22.5	27.356	36.946			

Fig. D-1.41

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 1.5 min.

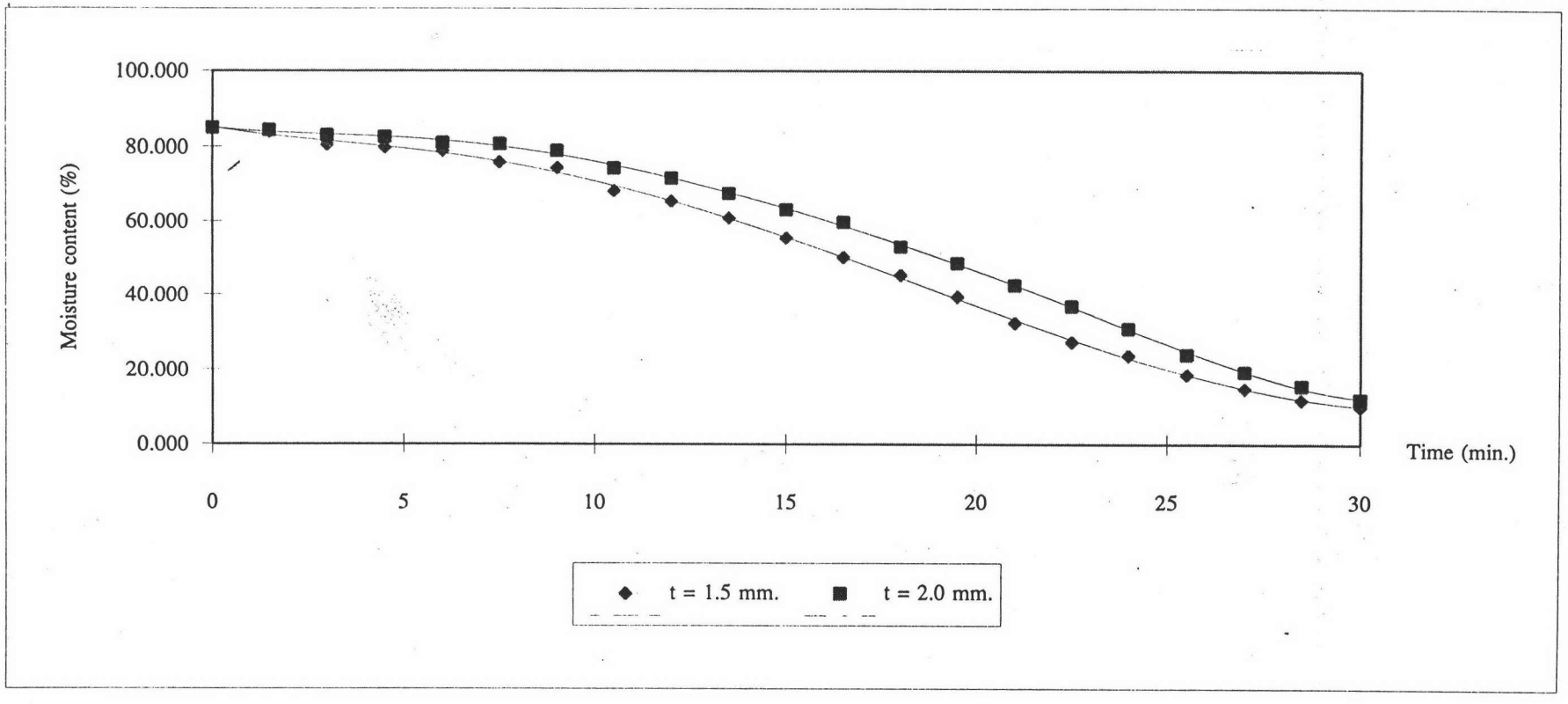


TABLE D-1.42

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 2.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
2	83.807	84.794
4	82.305	84.037
6	79.697	82.708
8	75.523	80.476
10	70.672	74.197
12	64.688	70.508
14	59.316	64.138
16	52.114	56.827
18	45.176	50.131
20	35.715	42.731
22	28.694	34.002
24	22.620	26.833
26	15.591	20.864
28	11.875	15.801
30	10.142	12.890

Fig. D-1.42

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 2.0 m/s

Resident time 2.0 min.

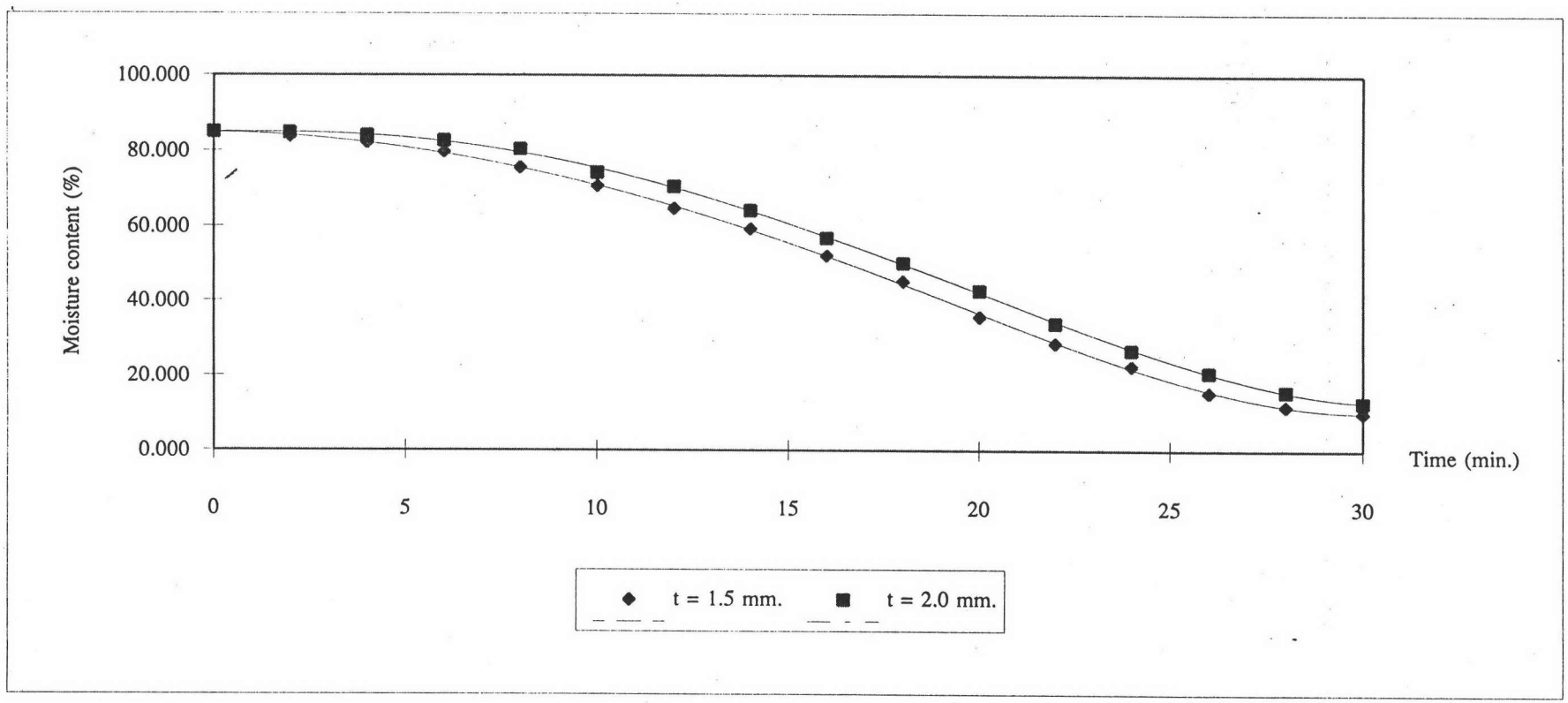


TABLE D-1.43

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	16	48.106	52.902
1	83.746	84.730	17	44.271	48.855
2	81.450	83.938	18	40.341	45.488
3	80.813	82.502	19	36.661	42.448
4	79.857	81.568	20	31.314	38.216
5	78.696	80.047	21	30.430	34.552
6	76.917	78.188	22	25.896	30.605
7	72.761	76.214	23	22.350	28.756
8	69.700	74.747	24	19.135	25.385
9	68.240	72.524	25	15.792	22.644
10	64.209	69.084	26	12.390	18.046
11	61.208	66.025	27	11.950	15.330
12	60.588	64.693	28	10.234	13.254
13	56.293	61.402	29	8.940	12.709
14	53.110	58.702	30	7.318	11.440
15	48.943	55.449			

Fig. D-1.43

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.0 min.

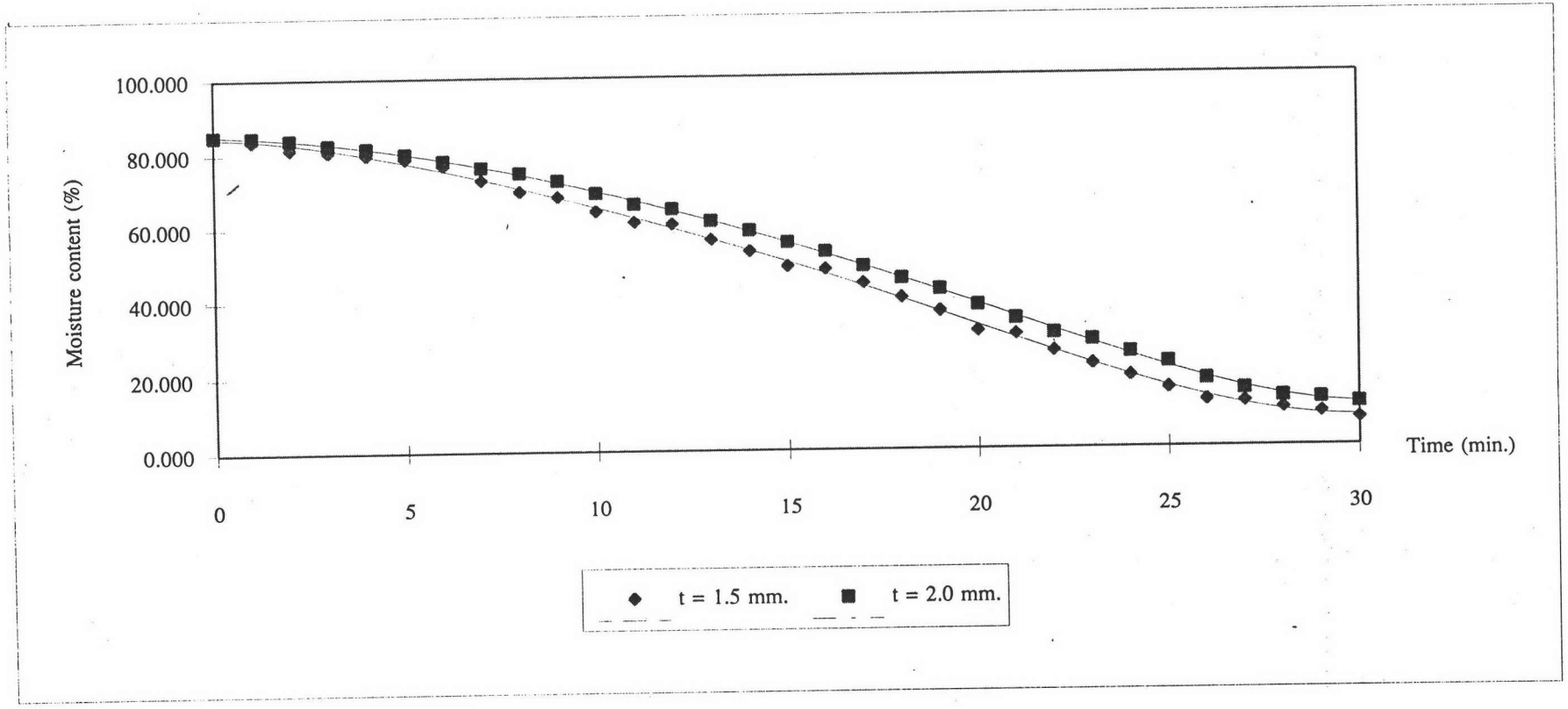


TABLE D-1.44

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.5 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t		Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.	Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034	24	16.840	24.331
1.5	82.454	84.209	25.5	15.360	20.346
3	79.357	82.216	27	11.919	16.395
4.5	77.336	81.983	28.5	9.208	14.892
6	75.723	80.298	30	9.010	12.784
7.5	71.695	78.702			
9	66.118	74.112			
10.5	65.264	70.346			
12	58.295	64.955			
13.5	55.246	60.207			
15	50.978	56.700			
16.5	46.940	50.409			
18	39.273	46.345			
19.5	34.942	41.440			
21	29.993	36.979			
22.5	23.861	29.829			

Fig. D-1.44

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 1.5 min.

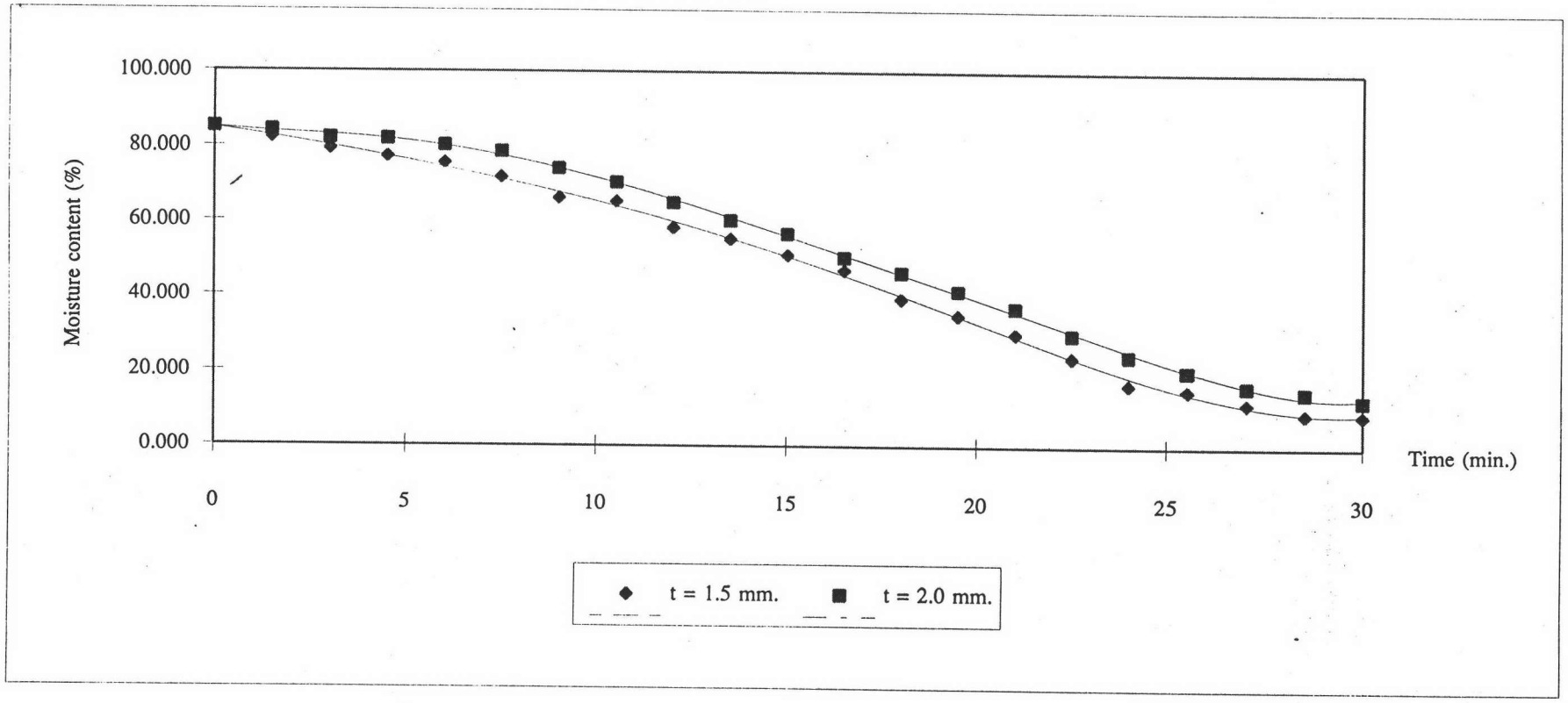


TABLE D-1.45

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 2.0 min.

Time (min.)	Moisture content of veneer Thickness of veneer ; t	
Time	t = 1.5 mm.	t = 2.0 mm.
0	85.034	85.034
2	81.350	84.627
4	80.140	82.275
6	74.695	80.012
8	70.988	76.827
10	65.505	72.046
12	58.197	66.754
14	53.254	60.139
16	47.417	52.331
18	39.803	46.136
20	31.385	40.025
22	24.990	32.358
24	20.191	24.377
26	14.579	18.550
28	9.477	14.601
30	8.416	10.778

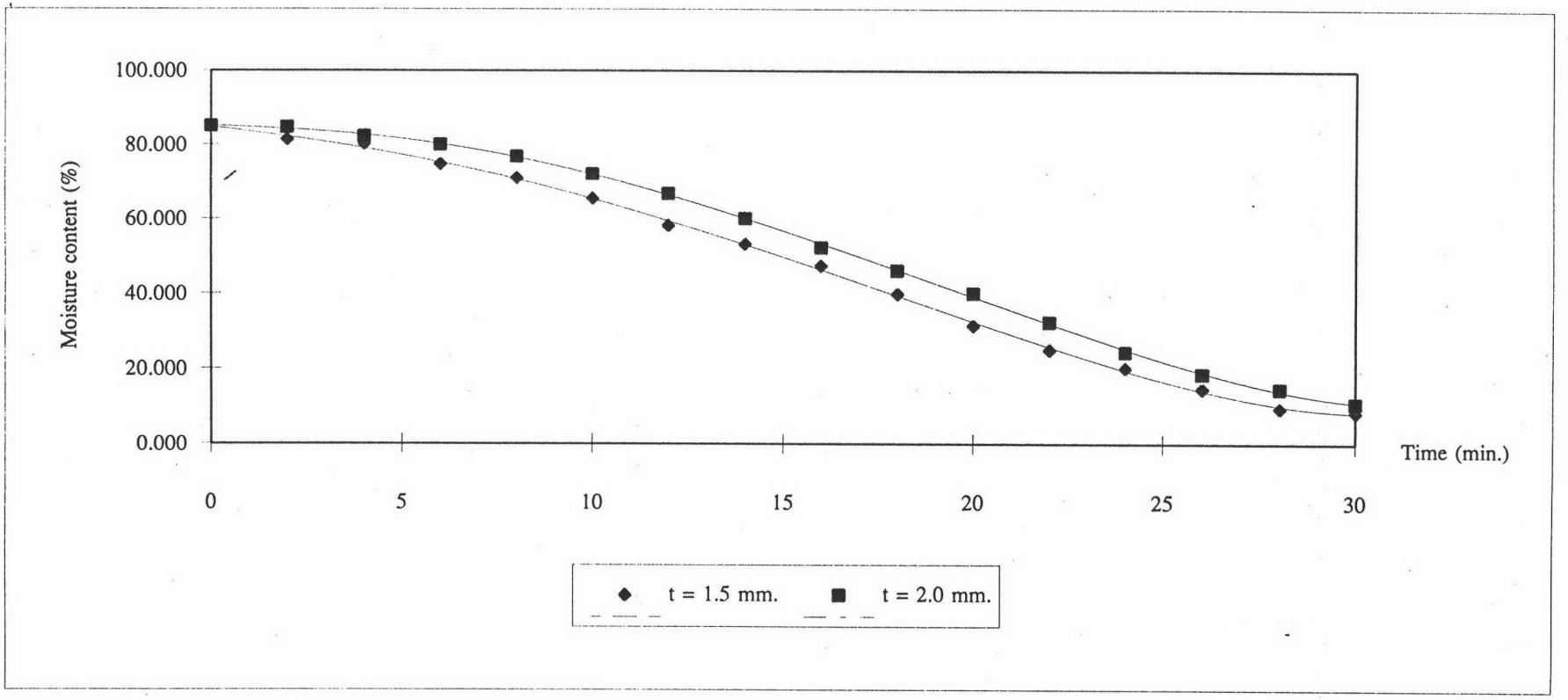
Fig. D-1.45

Show comparision of moisture content of veneer 1.5 and 2.0 mm. at the same drying condition.

Hot air drying temperature 60.0 Deg. C

Hot air velocity 2.5 m/s

Resident time 2.0 min.



Appendix E

Summary of Experimental Equations show Relations between Moisture Content of Veneer and The Parameters during Drying

TABLE E-1.01

Summary of equations show relation between moisture content of veneer and time during drying
Thickness of veneer = 1.5 mm.
Hot air drying temp. = 100°C

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Resident time (dt;min.)*	*U = Moisture content of veneer* *t_d = Drying time*	R^2
1.5	1.0	$U = -3E\text{-}05t_d^6 + 0.0002t_d^5 - 0.0457t_d^4 + 0.5259t_d^3 - 2.7305t_d^2 - 2.5961t_d + 84.709$	$R^2 = 0.9995$
	1.5	$U = 2E\text{-}05t_d^6 - 0.0007t_d^5 + 0.0021t_d^4 + 0.1196t_d^3 - 1.0515t_d^2 - 5.3986t_d + 85.067$	$R^2 = 0.9999$
	2.0	$U = 1E\text{-}05t_d^6 - 0.0002t_d^5 - 0.0052t_d^4 + 0.1603t_d^3 - 1.0602t_d^2 - 5.9223t_d + 85.050$	$R^2 = 0.9999$
2.0	1.0	$U = 1E\text{-}05t_d^6 - 0.0004t_d^5 + 0.0011t_d^4 + 0.0996t_d^3 - 0.8089t_d^2 - 6.8072t_d + 85.052$	$R^2 = 0.9995$
	1.5	$U = -7E\text{-}05t_d^6 + 0.0035t_d^5 - 0.0658t_d^4 + 0.6120t_d^3 - 2.4622t_d^2 - 5.2460t_d + 85.083$	$R^2 = 0.9992$
	2.0	$U = -1E\text{-}05t_d^6 + 0.0008t_d^5 - 0.0172t_d^4 + 0.2049t_d^3 - 0.9221t_d^2 - 7.3113t_d + 85.041$	$R^2 = 1.0000$
2.5	1.0	$U = -6E\text{-}05t_d^6 + 0.0032t_d^5 - 0.0656t_d^4 + 0.6451t_d^3 - 2.4623t_d^2 - 7.3998t_d + 85.094$	$R^2 = 0.9993$
	1.5	$U = 6E\text{-}05t_d^6 - 0.0019t_d^5 + 0.0126t_d^4 + 0.1129t_d^3 - 1.0270t_d^2 - 8.0640t_d + 84.888$	$R^2 = 0.9989$
	2.0	$U = 3E\text{-}06t_d^6 + 0.0001t_d^5 - 0.0103t_d^4 + 0.1992t_d^3 - 0.9669t_d^2 - 8.6848t_d + 85.035$	$R^2 = 1.0000$

TABLE E-1.02

Summary of equations show relation between moisture content of veneer and time during drying

Thickness of veneer = 1.5 mm.

Hot air drying temp. = $90^{o}C$

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Resident time (dt;min.)*	*U = Moisture content of veneer* *t_d = Drying time*	R^2
1.5	1.0	$U = 1E\text{-}05t_d^6 - 0.0009t_d^5 + 0.0181t_d^4 - 0.1368t_d^3 + 0.1197t_d^2 - 3.7311t_d + 84.763$	$R^2 = 0.9997$
	1.5	$U = 2E\text{-}05t_d^6 - 0.0010t_d^5 + 0.0187t_d^4 - 0.0958t_d^3 - 0.3842t_d^2 - 2.1887t_d + 85.062$	$R^2 = 0.9992$
	2.0	$U = 5E\text{-}06t_d^6 - 0.0003t_d^5 + 0.0048t_d^4 + 0.0070t_d^3 - 0.5921t_d^2 - 2.4243t_d + 85.028$	$R^2 = 1.0000$
2.0	1.0	$U = 1E\text{-}05t_d^6 - 0.0007t_d^5 + 0.0129t_d^4 - 0.0782t_d^3 - 0.1584t_d^2 - 3.7515t_d + 84.821$	$R^2 = 0.9997$
	1.5	$U = 2E\text{-}05t_d^6 - 0.0011t_d^5 + 0.0213t_d^4 - 0.1582t_d^3 + 0.2300t_d^2 - 4.6587t_d + 85.177$	$R^2 = 0.9994$
	2.0	$U = 1E\text{-}05t_d^6 - 0.0007t_d^5 + 0.0134t_d^4 - 0.0657t_d^3 - 0.3230t_d^2 - 3.1465t_d + 84.988$	$R^2 = 0.9998$
2.5	1.0	$U = 1E\text{-}05t_d^6 - 0.0008t_d^5 + 0.0144t_d^4 - 0.0765t_d^3 - 0.2979t_d^2 - 3.7087t_d + 84.888$	$R^2 = 0.9997$
	1.5	$U = -7E\text{-}06t_d^6 + 0.0003t_d^5 - 0.0069t_d^4 + 0.0979t_d^3 - 0.8200t_d^2 - 3.4164t_d + 84.869$	$R^2 = 0.9985$
	2.0	$U = -1E\text{-}05t_d^6 + 0.0009t_d^5 - 0.0261t_d^4 + 0.2865t_d^3 - 1.8148t_d^2 - 2.1355t_d + 84.886$	$R^2 = 0.9975$

TABLE E-1.03

Summary of equations show relation between moisture content of veneer and time during drying
Thickness of veneer = 1.5 mm.
Hot air drying temp. = 80°C

Drying condition		Equation	Coefficient of determination
Hot air velocity (Va;m/s)	*Resident time (dt;min.)*	*U = Moisture content of veneer* *t_d = Drying time*	R^2
1.5	1.0	$U = -1E\text{-}06t_d^6 + 8E\text{-}05t_d^5 - 0.0021t_d^4 + 0.0339t_d^3 - 0.3878t_d^2 - 1.5006t_d + 85.151$	$R^2 = 0.9996$
	1.5	$U = -3E\text{-}07t_d^6 + 1E\text{-}05t_d^5 + 3E\text{-}05t_d^4 + 0.0058t_d^3 - 0.1533t_d^2 - 2.0123t_d + 84.769$	$R^2 = 0.9994$
	2.0	$U = 4E\text{-}08t_d^6 + 2E\text{-}063t_d^5 - 0.0005t_d^4 + 0.0256t_d^3 - 0.4368t_d^2 - 1.1258t_d + 84.960$	$R^2 = 0.9995$
2.0	1.0	$U = -1E\text{-}06t_d^6 + 0.0001t_d^5 - 0.0034t_d^4 + 0.0570t_d^3 - 0.5419t_d^2 - 1.6549t_d + 85.236$	$R^2 = 0.9994$
	1.5	$U = -3E\text{-}07t_d^6 + 1E\text{-}05t_d^5 + 0.0001t_d^4 + 0.0002t_d^3 - 0.1370t_d^2 - 2.6056t_d + 84.708$	$R^2 = 0.9996$
	2.0	$U = 1E\text{-}07t_d^6 - 1E\text{-}05t_d^5 + 0.0003t_d^4 + 0.0007t_d^3 - 0.2267t_d^2 - 2.4474t_d + 85.065$	$R^2 = 0.9997$
2.5	1.0	$U = -5E\text{-}07t_d^6 - 5E\text{-}05t_d^5 + 0.0017t_d^4 - 0.0124t_d^3 - 0.1381t_d^2 - 2.8761t_d + 85.616$	$R^2 = 0.9997$
	1.5	$U = 1E\text{-}06t_d^6 - 9E\text{-}05t_d^5 + 0.0031t_d^4 - 0.0350t_d^3 + 0.0112t_d^2 - 3.0807t_d + 84.577$	$R^2 = 0.9994$
	2.0	$U = 1E\text{-}07t_d^6 - 8E\text{-}06t_d^5 - 0.0001t_d^4 + 0.0201t_d^3 - 0.3733t_d^2 - 2.3646t_d + 85.004$	$R^2 = 0.9996$

TABLE E-1.04

Summary of equations show relation between moisture content of veneer and time during drying
Thickness of veneer = 1.5 mm.
Hot air drying temp. = 70°C

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Resident time (dt;min.)*	*U = Moisture content of veneer* *t_d = Drying time*	R^2
1.5	1.0	$U = -1E\text{-}06t_d^6 + 0.0001t_d^5 - 0.0038t_d^4 + 0.0600t_d^3 - 0.5303t_d^2 + 0.4004t_d + 84.867$	$R^2 = 0.9992$
	1.5	$U = -1E\text{-}06t_d^6 + 0.0001t_d^5 - 0.0041t_d^4 + 0.0624t_d^3 - 0.5444t_d^2 + 0.4687t_d + 84.794$	$R^2 = 0.9995$
	2.0	$U = -3E\text{-}07t_d^6 + 2E\text{-}053t_d^5 - 0.0002t_d^4 - 0.0041t_d^3 - 0.0177t_d^2 - 0.9369t_d + 84.928$	$R^2 = 0.9992$
2.0	1.0	$U = -4E\text{-}07t_d^6 + 4E\text{-}05t_d^5 - 0.0015t_d^4 + 0.0277t_d^3 - 0.3544t_d^2 - 0.2340t_d + 84.853$	$R^2 = 0.9995$
	1.5	$U = -2E\text{-}06_d^6 + 0.0002t_d^5 - 0.0048t_d^4 + 0.0727t_d^3 - 0.6007t_d^2 + 0.1905t_d + 84.932$	$R^2 = 0.9995$
	2.0	$U = -6E\text{-}07t_d^6 + 6E\text{-}05t_d^5 - 0.0016t_d^4 + 0.0200t_d^3 - 0.1973t_d^2 - 0.9323t_d + 84.852$	$R^2 = 0.9993$
2.5	1.0	$U = -2E\text{-}06t_d^6 + 0.0001t_d^5 - 0.0045t_d^4 + 0.0695t_d^3 - 0.5999t_d^2 - 0.3140t_d + 84.594$	$R^2 = 0.9992$
	1.5	$U = -2E\text{-}06t_d^6 + 0.0002t_d^5 - 0.0046t_d^4 + 0.0665t_d^3 - 0.5374t_d^2 - 0.5467t_d + 84.770$	$R^2 = 0.9996$
	2.0	$U = -2E\text{-}06t_d^6 + 0.0002t_d^5 - 0.0053t_d^4 + 0.0730t_d^3 - 0.5234t_d^2 - 0.8987t_d + 84.602$	$R^2 = 0.9992$

TABLE E-1.05

Summary of equations show relation between moisture content of veneer and time during drying
Thickness of veneer = 1.5 mm.
Hot air drying temp. = 60°C

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Resident time (dt;min.)*	*U = Moisture content of veneer* *t_d = Drying time*	R^2
1.5	1.0	$U = 1E\text{-}06t_d^6 - 0.0001t_d^5 + 0.0040t_d^4 - 0.0703t_d^3 + 0.4096t_d^2 - 1.1007t_d + 85.095$	$R^2 = 0.9993$
	1.5	$U = -2E\text{-}07t_d^6 + 6E\text{-}06t_d^5 + 0.0002t_d^4 - 0.0095t_d^3 - 0.0215t_d^2 - 0.0545t_d + 85.316$	$R^2 = 0.9988$
	2.0	$U = 2E\text{-}06t_d^6 - 0.0002t_d^5 + 0.0058t_d^4 - 0.0895t_d^3 + 0.4809t_d^2 - 1.1090t_d + 85.014$	$R^2 = 0.9998$
2.0	1.0	$U = -8E\text{-}08t_d^6 + 1E\text{-}05t_d^5 - 0.0006t_d^4 + 0.0112t_d^3 - 0.2171t_d^2 + 0.0891t_d + 84.518$	$R^2 = 0.9991$
	1.5	$U = 3E\text{-}07t_d^6 - 4E\text{-}05t_d^5 + 0.0018t_d^4 - 0.0397t_d^3 + 0.2787t_d^2 - 1.7383t_d + 85.235$	$R^2 = 0.9994$
	2.0	$U = -1E\text{-}07t_d^6 + 2E\text{-}05t_d^5 - 0.0005t_d^4 + 0.0082t_d^3 - 0.1797t_d^2 - 0.0572t_d + 84.919$	$R^2 = 0.9997$
2.5	1.0	$U = -1E\text{-}08t_d^6 + 1E\text{-}05t_d^5 - 0.0005t_d^4 + 0.0131t_d^3 - 0.2129t_d^2 - 0.7071t_d + 85.034$	$R^2 = 0.9989$
	1.5	$U = -2E\text{-}07t_d^6 + 2E\text{-}05t_d^5 - 0.0007t_d^4 + 0.0091t_d^3 - 0.1049t_d^2 - 1.3099t_d + 84.793$	$R^2 = 0.9987$
	2.0	$U = 2E\text{-}07t_d^6 - 2E\text{-}05t_d^5 + 0.0006t_d^4 + 0.0095t_d^3 - 0.0232t_d^2 - 1.2298t_d + 84.818$	$R^2 = 0.9993$

TABLE E-1.06

Summary of equations show relation between moisture content of veneer and time during drying
Thickness of veneer = 2.0 mm.
Hot air drying temp. = 100 °C

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Resident time (dt;min.)*	*U = Moisture content of veneer* *t_d = Drying time*	R^2
1.5	1.0	$U = -3E\text{-}05t_d^6 + 0.0016t_d^5 - 0.0310t_d^4 + 0.3180t_d^3 - 1.8595t_d^2 - 0.2293t_d + 85.155$	$R^2 = 0.9997$
	1.5	$U = -6E\text{-}05t_d^6 + 0.0031t_d^5 - 0.0553t_d^4 + 0.4707t_d^3 - 2.0294t_d^2 - 0.9379t_d + 85.054$	$R^2 = 0.9992$
	2.0	$U = 4E\text{-}05t_d^6 - 0.0020t_d^5 + 0.0373t_d^4 - 0.3138t_d^3 + 0.9484t_d^2 - 4.8648t_d + 85.046$	$R^2 = 0.9999$
2.0	1.0	$U = 2E\text{-}05t_d^6 - 0.0009t_d^5 + 0.0126t_d^4 - 0.0386t_d^3 - 0.4772t_d^2 - 2.9686t_d + 85.089$	$R^2 = 0.9993$
	1.5	$U = -7E\text{-}05t_d^6 + 0.0034t_d^5 - 0.0581t_d^4 + 0.4683t_d^3 - 1.8945t_d^2 - 2.0649t_d + 85.142$	$R^2 = 0.9987$
	2.0	$U = 6E\text{-}05t_d^6 - 0.0031t_d^5 + 0.0635t_d^4 - 0.5950t_d^3 - 2.3272t_d^2 - 7.7931t_d + 85.085$	$R^2 = 0.9996$
2.5	1.0	$U = -2E\text{-}05t_d^6 + 0.0011t_d^5 - 0.0219t_d^4 + 0.2427t_d^3 - 1.3624t_d^2 - 3.4283t_d + 84.776$	$R^2 = 0.9997$
	1.5	$U = 8E\text{-}05t_d^6 - 0.0035t_d^5 + 0.0523t_d^4 - 0.2946t_d^3 + 0.3228t_d^2 - 5.1903t_d + 84.989$	$R^2 = 0.9998$
	2.0	$U = -7E\text{-}05t_d^6 + 0.0037t_d^5 - 0.0730t_d^4 + 0.6932t_d^3 - 2.9966t_d^2 - 2.0823t_d + 84.984$	$R^2 = 0.9997$

TABLE E-1.07

Summary of equations show relation between moisture content of veneer and time during drying
Thickness of veneer = 2.0 mm.
Hot air drying temp. = 90°C

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Resident time (dt;min.)*	*U = Moisture content of veneer* *t_d = Drying time*	R^2
1.5	1.0	$U = -1E\text{-}05t_d^6 + 0.0006t_d^5 - 0.0112t_d^4 + 0.1020t_d^3 - 0.6256t_d^2 - 0.9225t_d + 85.024$	$R^2 = 0.9990$
	1.5	$U = 7E\text{-}06t_d^6 - 0.0005t_d^5 + 0.0144t_d^4 - 0.1715t_d^3 + 0.6054t_d^2 - 2.3300t_d + 85.228$	$R^2 = 0.9993$
	2.0	$U = 1E\text{-}05t_d^6 - 0.0008t_d^5 + 0.0213t_d^4 - 0.2529t_d^3 + 1.0554t_d^2 - 3.4798t_d + 85.239$	$R^2 = 0.9991$
2.0	1.0	$U = -1E\text{-}05t_d^6 + 0.0006t_d^5 + 0.0097t_d^4 + 0.0599t_d^3 - 0.2282t_d^2 - 2.7327t_d + 85.218$	$R^2 = 0.9999$
	1.5	$U = -2E\text{-}05t_d^6 + 0.0013t_d^5 - 0.0272t_d^4 + 0.2531t_d^3 - 1.1569t_d^2 - 1.3231t_d + 84.847$	$R^2 = 0.9983$
	2.0	$U = 1E\text{-}05t_d^6 - 0.0008t_d^5 + 0.0172t_d^4 - 0.1441t_d^3 + 0.2102t_d^2 - 2.3045t_d + 85.024$	$R^2 = 0.9994$
2.5	1.0	$U = -1E\text{-}05t_d^6 + 0.0006t_d^5 - 0.0086t_d^4 + 0.0502t_d^3 - 0.1764t_d^2 - 3.8123t_d + 85.163$	$R^2 = 0.9996$
	1.5	$U = 4E\text{-}06t_d^6 - 0.0003t_d^5 + 0.0076t_d^4 - 0.0812t_d^3 + 0.1813t_d^2 - 3.6996t_d + 85.042$	$R^2 = 0.9996$
	2.0	$U = 2E\text{-}05t_d^6 - 7E\text{-}05t_d^5 + 0.0003t_d^4 + 0.0333t_d^3 - 0.5941t_d^2 - 2.0192t_d + 84.980$	$R^2 = 0.9997$

TABLE E-1.08

Summary of equations show relation between moisture content of veneer and time during drying
Thickness of veneer = 2.0 mm.
Hot air drying temp. = 80°C

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Resident time (dt;min.)*	*U = Moisture content of veneer* *t_d = Drying time*	R^2
1.5	1.0	$U = 6E\text{-}07t_d^6 - 8E\text{-}05t_d^5 + 0.0037t_d^4 - 0.0639t_d^3 + 0.2553t_d^2 - 1.1767t_d + 85.269$	$R^2 = 0.9996$
	1.5	$U = 5E\text{-}07t_d^6 - 7E\text{-}05t_d^5 + 0.0035t_d^4 - 0.0605t_d^3 + 0.2238t_d^2 - 1.0343t_d + 85.324$	$R^2 = 0.9991$
	2.0	$U = 8E\text{-}07t_d^6 - 9E\text{-}05t_d^5 + 0.0034t_d^4 - 0.0507t_d^3 + 0.0771t_d^2 - 0.3649t_d + 85.066$	$R^2 = 0.9986$
2.0	1.0	$U = 2E\text{-}06t_d^6 - 0.0002t_d^5 + 0.0086t_d^4 - 0.1416t_d^3 + 0.8081t_d^2 - 3.1311t_d + 86.060$	$R^2 = 0.9999$
	1.5	$U = 7E\text{-}07t_d^6 - 9E\text{-}05t_d^5 + 0.0038t_d^4 - 0.0616t_d^3 + 0.1998t_d^2 - 1.3258t_d + 85.171$	$R^2 = 0.9987$
	2.0	$U = 2E\text{-}06t_d^6 - 0.0002t_d^5 + 0.0067t_d^4 - 0.0996t_d^3 + 0.3822t_d^2 - 1.4754t_d + 85.024$	$R^2 = 0.9990$
2.5	1.0	$U = 2E\text{-}06t_d^6 - 0.0002t_d^5 + 0.0057t_d^4 - 0.0740t_d^3 + 0.1606t_d^2 - 1.8304t_d + 85.047$	$R^2 = 0.9995$
	1.5	$U = 1E\text{-}06t_d^6 - 0.0001t_d^5 + 0.0046t_d^4 - 0.0565t_d^3 + 0.0191t_d^2 - 1.2882t_d + 84.912$	$R^2 = 0.9989$
	2.0	$U = 3E\text{-}06t_d^6 - 0.0002t_d^5 + 0.0008t_d^4 - 0.1071t_d^3 + 0.3640t_d^2 - 2.1435t_d + 84.809$	$R^2 = 0.9992$

TABLE E-1.09

Summary of equations show relation between moisture content of veneer and time during drying
Thickness of veneer = 2.0 mm.
Hot air drying temp. = 70°C

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Resident time (dt;min.)*	*U = Moisture content of veneer* *t_d = Drying time*	R^2
1.5	1.0	$U = 1E\text{-}06t_d^6 - 0.0001t_d^5 + 0.0050t_d^4 - 0.0925t_d^3 + 0.5736t_d^2 - 1.8432t_d + 85.629$	$R^2 = 0.9994$
	1.5	$U = 1E\text{-}07t_d^6 - 3E\text{-}05t_d^5 + 0.0021t_d^4 - 0.0462t_d^3 + 0.2374t_d^2 - 0.8478t_d + 85.279$	$R^2 = 0.9996$
	2.0	$U = 3E\text{-}07t_d^6 - 3E\text{-}05t_d^5 + 0.0013t_d^4 - 0.0201t_d^3 - 0.0729t_d^2 + 0.3175t_d + 85.983$	$R^2 = 0.9997$
2.0	1.0	$U = 8E\text{-}07t_d^6 - 9E\text{-}05t_d^5 + 0.0036t_d^4 - 0.0623t_d^3 + 0.2845t_d^2 - 1.2797t_d + 85.303$	$R^2 = 0.9994$
	1.5	$U = 8E\text{-}07t_d^6 - 9E\text{-}05t_d^5 + 0.0038t_d^4 - 0.0675t_d^3 + 0.3450t_d^2 - 1.4912t_d + 85.138$	$R^2 = 0.9996$
	2.0	$U = 1E\text{-}06t_d^6 - 0.0001t_d^5 + 0.0048t_d^4 - 0.0724t_d^3 + 0.2666t_d^2 - 0.9944t_d + 85.200$	$R^2 = 0.9991$
2.5	1.0	$U = 1E\text{-}06t_d^6 - 0.0001t_d^5 + 0.0042t_d^4 - 0.0627t_d^3 + 0.2244t_d^2 - 1.6318t_d + 85.052$	$R^2 = 0.9994$
	1.5	$U = 1E\text{-}06t_d^6 - 0.0001t_d^5 + 0.0039t_d^4 - 0.0580t_d^3 + 0.1972t_d^2 - 1.5766t_d + 84.844$	$R^2 = 0.9997$
	2.0	$U = 5E\text{-}07t_d^6 - 7E\text{-}05t_d^5 + 0.0028t_d^4 - 0.0469t_d^3 + 0.1629t_d^2 - 1.6100t_d + 85.175$	$R^2 = 0.9997$

TABLE E-1.10

Summary of equations show relation between moisture content of veneer and time during drying
Thickness of veneer = 2.0 mm.
Hot air drying temp. = 60°C

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Resident time (dt;min.)*	*U = Moisture content of veneer* *t_d = Drying time*	R^2
1.5	1.0	$U = -2E\text{-}07t_d^6 + 3E\text{-}05t_d^5 - 0.0010t_d^4 + 0.0163t_d^3 - 0.2196t_d^2 + 0.4869t_d + 84.868$	$R^2 = 0.9996$
	1.5	$U = 7E\text{-}07t_d^6 - 6E\text{-}05t_d^5 + 0.0020t_d^4 - 0.0332t_d^3 + 0.1343t_d^2 - 0.3561t_d + 84.992$	$R^2 = 0.9992$
	2.0	$U = -4E\text{-}08t_d^6 + 5E\text{-}06t_d^5 - 6E\text{-}05t_d^4 - 0.0027t_d^3 - 0.0547t_d^2 - 0.0055t_d + 84.863$	$R^2 = 0.9996$
2.0	1.0	$U = -7E\text{-}07t_d^6 + 6E\text{-}05t_d^5 - 0.0020t_d^4 + 0.0291t_d^3 - 0.3073t_d^2 + 0.3451t_d + 84.525$	$R^2 = 0.9994$
	1.5	$U = 2E\text{-}06t_d^6 - 0.0002t_d^5 + 0.0060t_d^4 - 0.0916t_d^3 + 0.5030t_d^2 - 1.5817t_d + 85.025$	$R^2 = 0.9994$
	2.0	$U = -1E\text{-}07t_d^6 + 1E\text{-}05t_d^5 - 0.0003t_d^4 + 0.0032t_d^3 - 0.1459t_d^2 - 0.0479t_d + 84.886$	$R^2 = 0.9997$
2.5	1.0	$U = 2E\text{-}07t_d^6 - 1E\text{-}05t_d^5 + 1E\text{-}04t_d^4 + 0.0069t_d^3 - 0.2306t_d^2 - 0.4288t_d + 84.773$	$R^2 = 0.9995$
	1.5	$U = 8E\text{-}07t_d^6 - 7E\text{-}05t_d^5 + 0.00325_d^4 - 0.0369t_d^3 + 0.1195t_d^2 - 1.3507t_d + 84.773$	$R^2 = 0.9994$
	2.0	$U = -2E\text{-}07t_d^6 + 2E\text{-}05t_d^5 - 0.0009t_d^4 + 0.0181t_d^3 - 0.2727t_d^2 - 0.4527t_d + 84.926$	$R^2 = 0.9994$

TABLE E-1.11

Summary of equations show relation between moisture content of veneer and hot air temperature
Thickness of veneer = 1.5 mm.

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Drying time (min.)*	*U = Moisture content of veneer* *T = Hot air temperature*	R^2
1.5	5.0	$U = 6E\text{-}05T^3 - 0.033T^2 + 3.1563T - 0.2025$	$R^2 = 0.9991$
	10.0	$U = 0.0014T^3 - 0.3338T^2 + 25.383T - 539.23$	$R^2 = 1.0000$
	15.0	$U = 0.002T^3 - 0.4842T^2 + 36.366T - 819.09$	$R^2 = 0.9948$
	20.0	$U = 0.0008T^3 - 0.1681T^2 + 10.716T - 163.187$	$R^2 = 0.9740$
	25.0	$U = -0.0005T^3 + 0.1225T^2 - 10.921T + 340.72$	$R^2 = 0.9901$
	30.0	$U = 9E\text{-}05T^3 - 0.0263T^2 + 2.3098T - 51.884$	$R^2 = 0.9913$

TABLE E-1.12

Summary of equations show relation between moisture content of veneer and hot air temperature
Thickness of veneer = 1.5 mm.

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Drying time (min.)*	*U = Moisture content of veneer* *T = Hot air temperature*	R^2
2.0	5.0	$U = 0.0002T^3 - 0.0613T^2 + 5.3346T - 56.87$	$R^2 = 0.9988$
	10.0	$U = 0.0013^3 - 0.3267T^2 + 24.946T - 536.35$	$R^2 = 0.9997$
	15.0	$U = 0.0016T^3 - 0.3759T^2 + 27.533T - 587.83$	$R^2 = 0.9987$
	20.0	$U = 0.0006T^3 - 0.1262T^2 + 7.603T - 93.242$	$R^2 = 0.9678$
	25.0	$U = -0.0002T^3 + 0.05T^2 - 4.5967T + 157.42$	$R^2 = 0.9983$
	30.0	$U = -3E\text{-}05T^3 + 0.004T^2 - 0.2655T + 17.663$	$R^2 = 0.9812$

TABLE E-1.13

Summary of equations show relation between moisture content of veneer and hot air temperature
Thickness of veneer = 1.5 mm.

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Drying time (min.)*	*U = Moisture content of veneer* *T = Hot air temperature*	R^2
2.5	5.0	$U = -0.0007T^3 + 0.1542T^2 - 11.15T + 353.73$	$R^2 = 0.9993$
	10.0	$U = 0.0017T^3 - 0.4209T^2 + 32.386T - 734.8$	$R^2 = 0.9997$
	15.0	$U = 0.0017T^3 - 0.3865T^2 + 28.113T - 606.31$	$R^2 = 0.9971$
	20.0	$U = 0.0003T^3 - 0.0471T^2 + 1.6794T + 43.413$	$R^2 = 0.9927$
	25.0	$U = -0.0002T^3 + 0.0561T^2 - 5.1345T + 168.01$	$R^2 = 0.9886$
	30.0	$U = 0.0003T^3 - 0.063T^2 + 5.0044T - 120.64$	$R^2 = 0.8962$

TABLE E-1.14

Summary of equations show relation between moisture content of veneer and hot air temperature
Thickness of veneer = 2.0 mm.

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Drying time (min.)*	*U = Moisture content of veneer* *T = Hot air temperature*	R^2
1.5	5.0	$U = -0.0003T^3 + 0.0513T^2 - 3.267T + 154.81$	$R^2 = 0.9967$
	10.0	$U = -0.001T^3 + 0.0036T^2 + 0.3044T + 67.23$	$R^2 = 0.9963$
	15.0	$U = 0.0005T^3 - 0.1166T^2 + 8.1808T - 109.32$	$R^2 = 0.9914$
	20.0	$U = 0.0001T^3 - 0.0131T^2 - 1.0261T + 129.92$	$R^2 = 0.9983$
	25.0	$U = -0.0003T^3 + 0.0766T^2 - 7.0556T + 234.73$	$R^2 = 0.9967$
	30.0	$U = 0.0002T^3 - 0.0494T^2 + 4.3723T - 110.62$	$R^2 = 0.9509$

TABLE E-1.15

Summary of equations show relation between moisture content of veneer and hot air temperature
Thickness of veneer = 2.0 mm.

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Drying time (min.)*	*U = Moisture content of veneer* *T = Hot air temperature*	R^2
2.0	5.0	$U = 0.0001T^3 - 0.0406T^2 + 3.7478T - 20.645$	$R^2 = 0.9986$
	10.0	$U = 1E\text{-}05T^3 - 0.0302T^2 + 3.4328T - 28.376$	$R^2 = 0.9984$
	15.0	$U = 0.0004T^3 - 0.1002T^2 + 6.7519T - 75.991$	$R^2 = 1.0000$
	20.0	$U = 0.0002T^3 - 0.0397T^2 + 1.3825T + 51.879$	$R^2 = 1.0000$
	25.0	$U = -0.0002T^3 + 0.064T^2 - 5.8639T + 193.93$	$R^2 = 0.9992$
	30.0	$U = 0.0003T^3 - 0.0762T^2 + 6.3302T - 158.52$	$R^2 = 0.9838$

TABLE E-1.16

Summary of equations show relation between moisture content of veneer and hot air temperature
Thickness of veneer = 2.0 mm.

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Drying time (min.)*	*U = Moisture content of veneer* *T = Hot air temperature*	R^2
2.5	5.0	$U = 0.0002T^3 - 0.0765T^2 + 7.151T - 126.18$	$R^2 = 0.9916$
	10.0	$U = 0.0005T^3 - 0.1287T^2 + 10.701T - 212.43$	$R^2 = 0.9999$
	15.0	$U = 0.0004T^3 - 0.0905T^2 + 5.7056T - 53.576$	$R^2 = 0.9988$
	20.0	$U = 0.0001T^3 - 0.011T^2 - 0.9303T + 105.87$	$R^2 = 0.9966$
	25.0	$U = -0.0005T^3 + 0.1285T^2 - 10.927T + 319.5$	$R^2 = 0.9985$
	30.0	$U = 0.0002T^3 - 0.0437T^2 + 3.3545T - 73.57$	$R^2 = 0.9872$

TABLE E-1.17

Summary of equations show relation between moisture content of veneer and relative humidity of hot air
Thickness of veneer = 1.5 mm.

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Drying time (min.)*	*U = Moisture content of veneer* *H = Relative humidity of hot air*	R^2
1.5	5.0	$U = 0.1214H^3 - 4.3634H^2 + 51.416H - 116.1$	$R^2 = 0.9916$
	10.0	$U = -0.2671H^3 + 4.7613H^2 - 12.949H - 1.1602$	$R^2 = 0.9782$
	15.0	$U = -0.6162H^3 + 13.499H^2 - 83.207H + 164.23$	$R^2 = 0.9903$
	20.0	$U = -0.4846H^3 + 11.310H^2 - 77.162H + 168.65$	$R^2 = 0.9991$
	25.0	$U = 0.0189H^3 - 0.47H^2 + 7.0363H - 21.874$	$R^2 = 0.9998$
	30.0	$U = 0.0457H^3 - 1.4729H^2 + 15.77H - 45.506$	$R^2 = 0.9511$

TABLE E-1.18

Summary of equations show relation between moisture content of veneer and relative humidity of hot air
Thickness of veneer = 1.5 mm.

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Drying time (min.)*	*U = Moisture content of veneer* *H = Relative humidity of hot air*	R^2
2.0	5.0	$U = 0.3153H^3 - 9.1775H^2 + 89.318H - 210.4$	$R^2 = 0.9997$
	10.0	$U = -0.0794H^3 - 0.3137H^2 + 29.65H - 112.54$	$R^2 = 0.9950$
	15.0	$U = -0.5624H^3 + 11.671H^2 - 65.755H + 115.2$	$R^2 = 0.9981$
	20.0	$U = -0.5905H^3 + 13.298H^2 - 88.676H + 188.97$	$R^2 = 0.9884$
	25.0	$U = 0.0458H^3 - 1.3831H^2 + 15.661H - 46.303$	$R^2 = 0.9983$
	30.0	$U = 0.1273H^3 - 3.3043H^2 + 28.628H - 74.458$	$R^2 = 0.9843$

TABLE E-1.19

Summary of equations show relation between moisture content of veneer and relative humidity of hot air
Thickness of veneer = 1.5 mm.

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Drying time (min.)*	*U = Moisture content of veneer* *H = Relative humidity of hot air*	R^2
2.5	5.0	$U = 0.2597H^3 - 7.4785H^2 + 72.568H - 159.46$	$R^2 = 0.9999$
	10.0	$U = -0.816H^3 + 16.054H^2 - 87.148H + 154.9$	$R^2 = 0.9909$
	15.0	$U = -1.0453H^3 + 22.063H^2 - 137.79H + 274.45$	$R^2 = 0.9997$
	20.0	$U = -0.4817H^3 + 110.405H^2 - 65.704H + 132.08$	$R^2 = 0.9968$
	25.0	$U = -0.0344H^3 + 0.6704H^2 - 1.6864H - 0.6617$	$R^2 = 0.9887$
	30.0	$U = -0.0566H^3 + 0.9885H^2 - 3.7736H + 3.4718$	$R^2 = 0.8391$

TABLE E-1.20

Summary of equations show relation between moisture content of veneer and relative humidity of hot air
Thickness of veneer = 2.0 mm.

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Drying time (min.)*	*U = Moisture content of veneer* *H = Relative humidity of hot air*	R^2
1.5	5.0	$U = 0.0396H^3 - 1.5532H^2 + 19.89H - 0.0681$	$R^2 = 0.9866$
	10.0	$U = -0.0478H^3 + 0.2512H^2 - 12.369H - 25.252$	$R^2 = 0.9859$
	15.0	$U = -0.2199H^3 + 4.8595H^2 - 25.223H + 46.352$	$R^2 = 0.9793$
	20.0	$U = -0.1878H^3 + 4.651H^2 - 30.609H + 67.167$	$R^2 = 0.9954$
	25.0	$U = -0.0297H^3 + 0.7641H^2 - 3.4344H - 6.9391$	$R^2 = 0.9956$
	30.0	$U = -0.0173H^3 + 0.1219H^2 + 2.9426H - 12.458$	$R^2 = 0.9050$

TABLE E-1.21

Summary of equations show relation between moisture content of veneer and relative humidity of hot air
Thickness of veneer = 2.0 mm.

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Drying time (min.)*	*U = Moisture content of veneer* *H = Relative humidity of hot air*	R^2
2.0	5.0	$U = -0.2381H^3 + 4.7682H^2 - 24.801H + 96.399$	$R^2 = 0.9905$
	10.0	$U = 0.4143H^3 + 8.144H^2 - 39.818H + 78.732$	$R^2 = 0.9907$
	15.0	$U = -0.7163H^3 + 15.783H^2 - 99.896H + 203.18$	$R^2 = 0.9993$
	20.0	$U = -0.5121H^3 + 11.705H^2 - 78.437H + 167.63$	$R^2 = 1.0000$
	25.0	$U = -0.1422H^3 + 3.2515H^2 - 20.75H + 44.14$	$R^2 = 0.9980$
	30.0	$U = -0.1524H^3 + 3.1851H^2 - 18.883H + 35.781$	$R^2 = 0.9568$

TABLE E-1.22

Summary of equations show relation between moisture content of veneer and relative humidity of hot air
Thickness of veneer = 2.0 mm.

Drying condition		**Equation**	**Coefficient of determination**
Hot air velocity (Va;m/s)	*Drying time (min.)*	*U = Moisture content of veneer* *H = Relative humidity of hot air*	R^2
2.5	5.0	$U = -0.3786H^3 + 6.7723H^2 - 30.62H + 86.424$	$R^2 = 0.9913$
	10.0	$U = -0.8101H^3 + 15.901H^2 - 88.642H + 173.37$	$R^2 = 0.9990$
	15.0	$U = -1.0483H^3 + 22.286H^2 - 142.16H + 292.16$	$R^2 = 0.9993$
	20.0	$U = -0.71H^3 + 15.552H^2 - 103.01H + 218.28$	$R^2 = 0.9805$
	25.0	$U = -0.0153H^3 + 0.4237H^2 - 1.1996H + 1.0124$	$R^2 = 0.9983$
	30.0	$U = -0.2173H^3 + 4.526H^2 - 28.254H + 56.824$	$R^2 = 0.9761$

Appendix F

Figure show The Dryer being under Construction

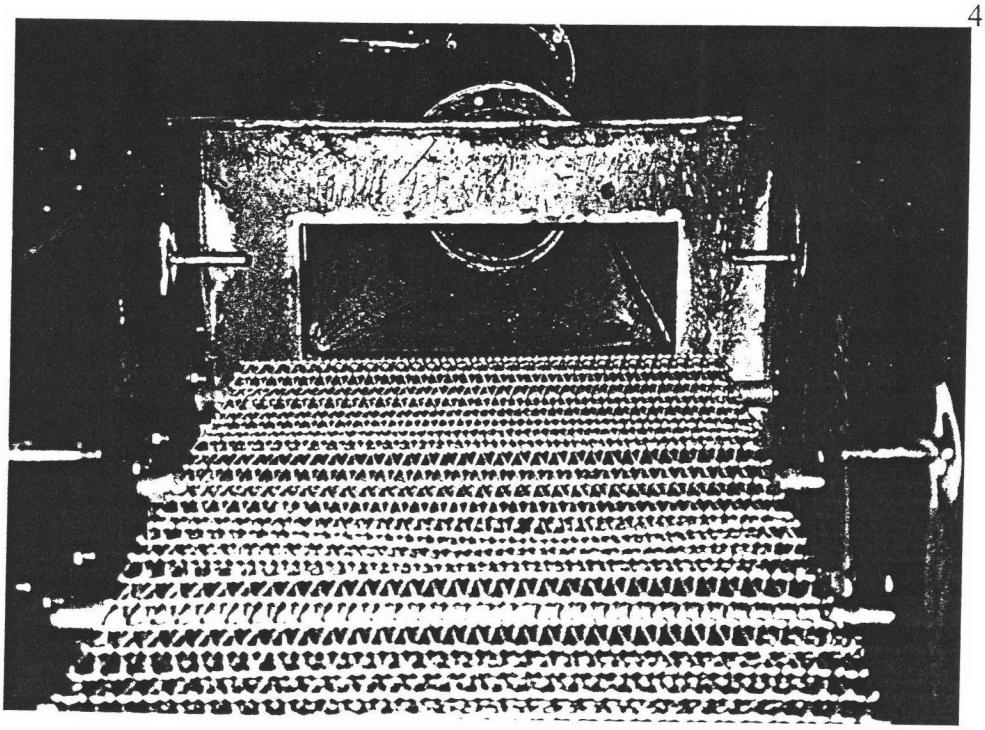


Fig. F.1 Melalic Belt Conveyor

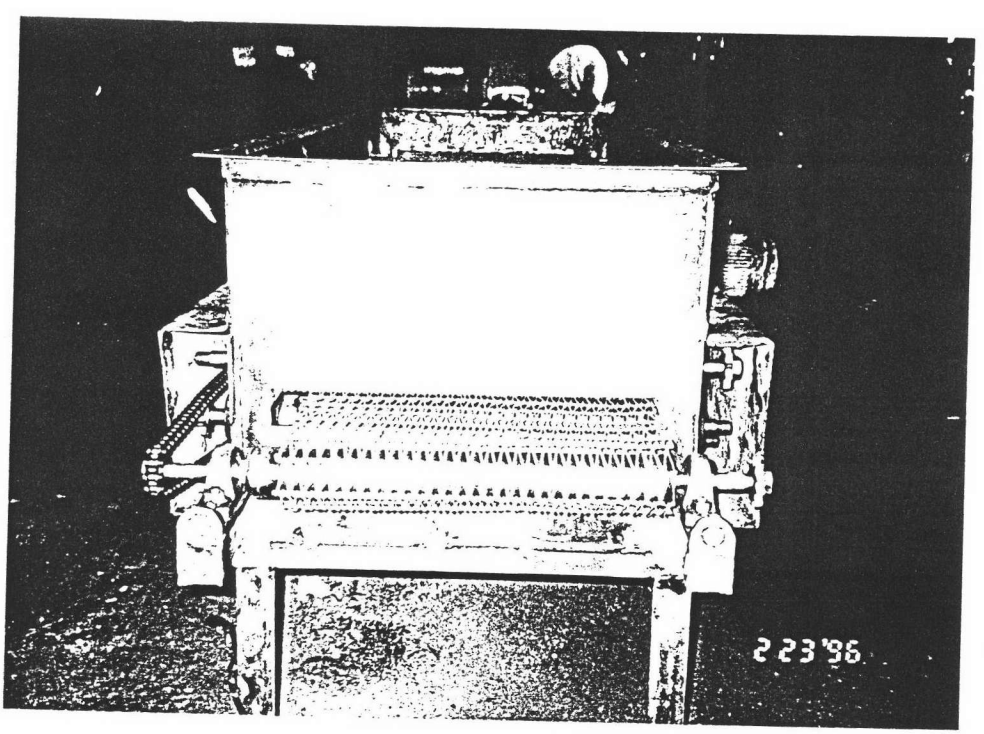


Fig. F.2 Veneer Feeding Inlet Port

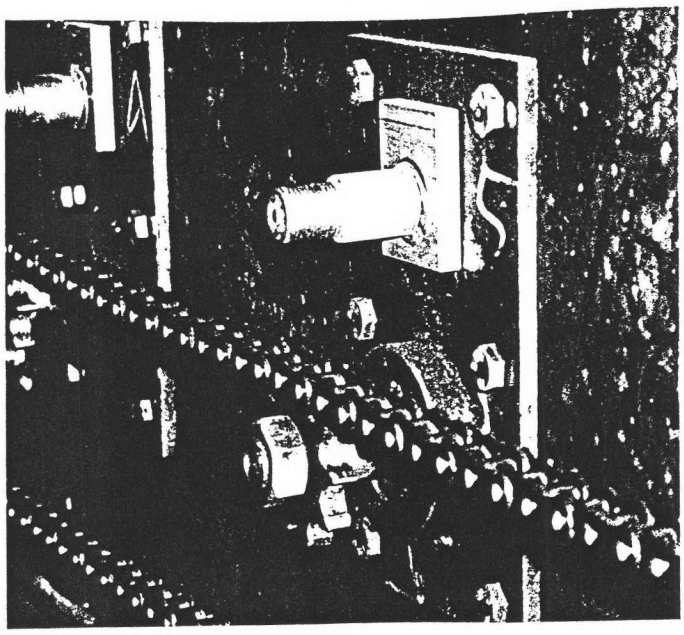


Fig. F.3 Roller's Bearing and Bush

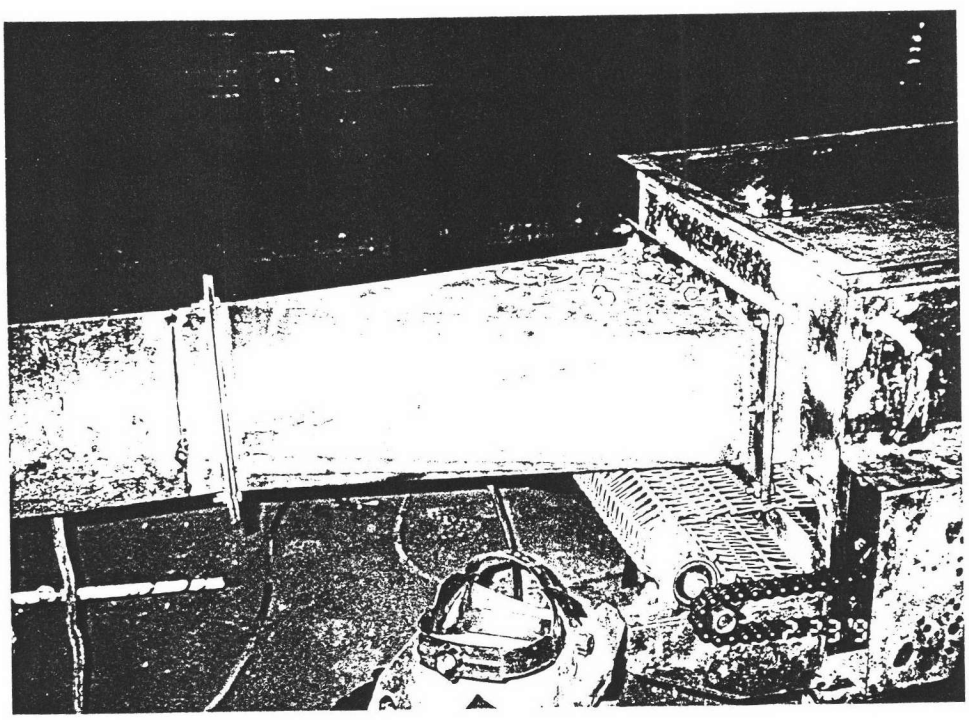


Fig. F.4 Hot Air Inlet Manifold

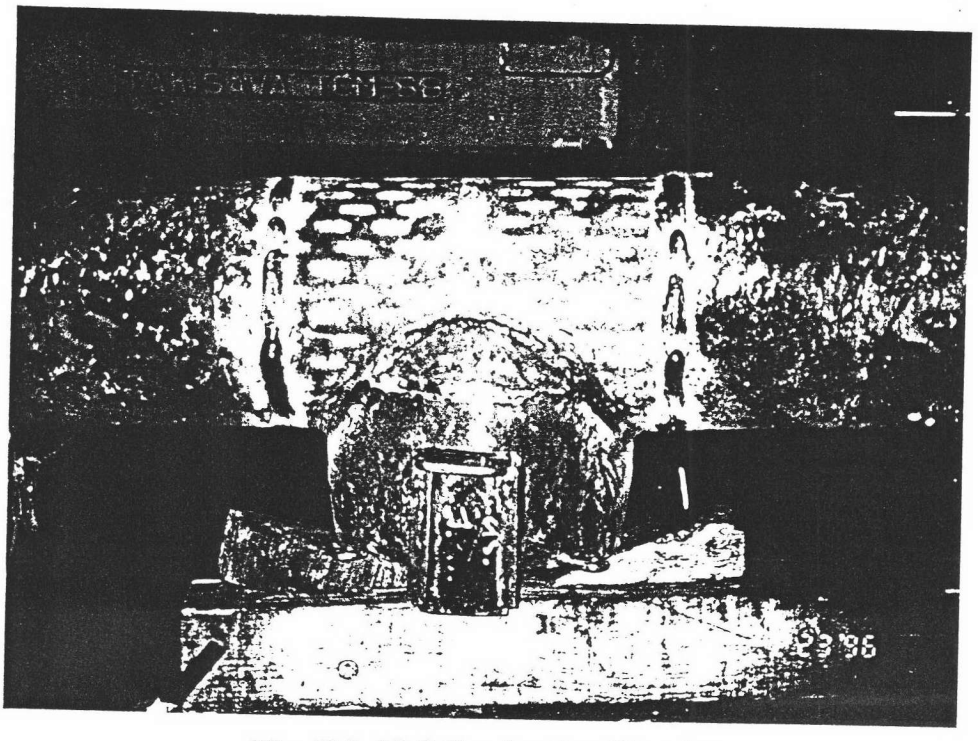


Fig. F.5 LPG Combustion Chamber

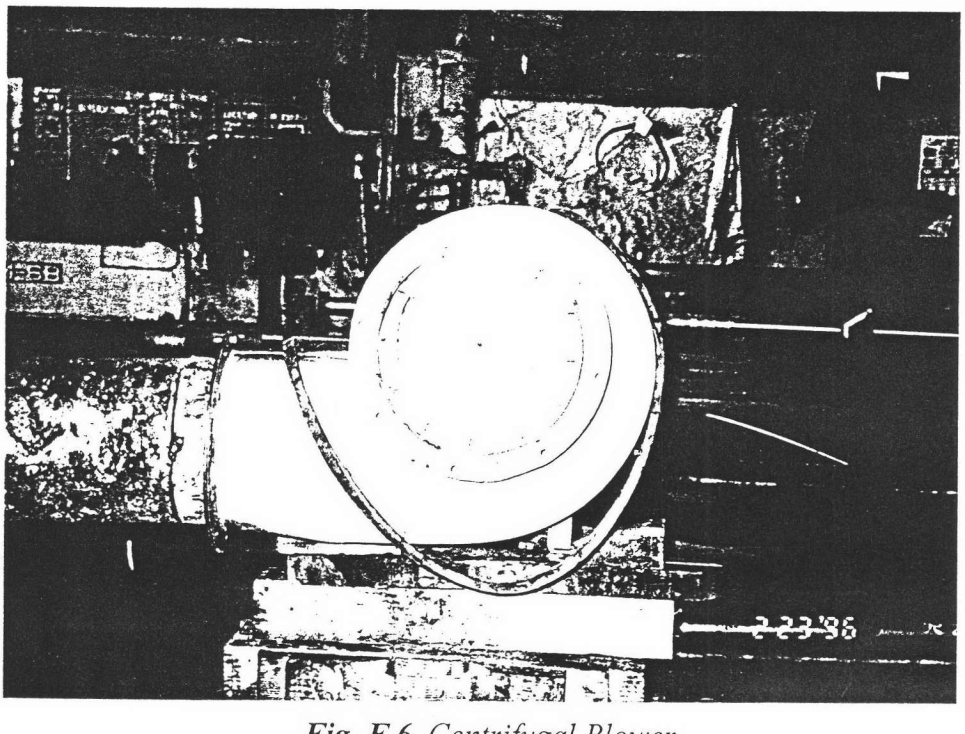
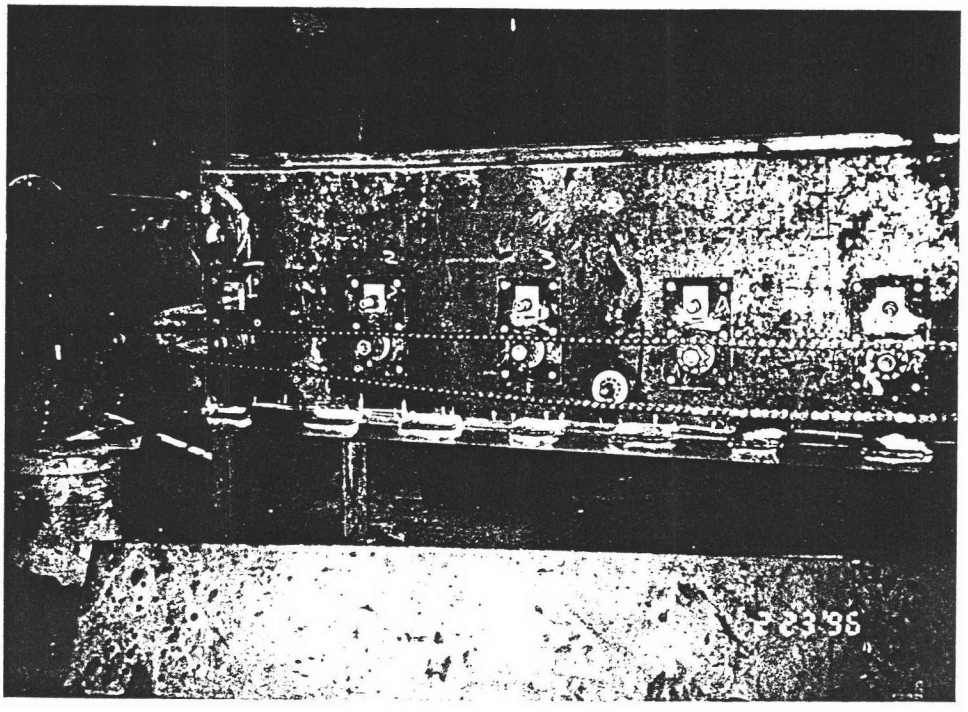


Fig. F.6 Centrifugal Blower



Fog. F.7 Driving Chain and Sprocket

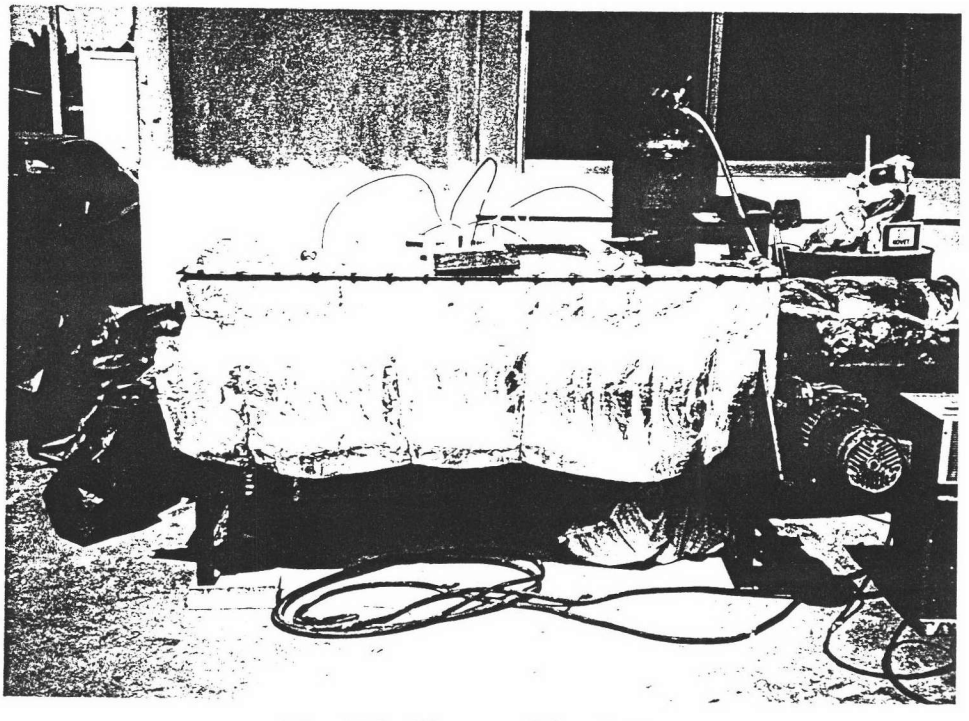


Fig. F.8 Glasswool Insulation

Author's Biography

Mr. Vudthikorn Udol was born on 31st December, 1967 at Tumbol Pongtum, Amphur Fang, Chiengmai Thailand. He was graduated in highschool level from Triamudom Suksa School Bangkok, and Bachelor Degree of Mechanical Engineering from Chulalongkorn University in 1989.