

Title of the experiment: Study of a non-Catalytic Gas-Solid Reaction by Thermo-gravimetric Technique

Data:

1.

T = 120 °C

a = 0.302995

Time (min)	Weight of pellet (g)
0	2.284
1	2.273
2	2.213
3	2.139
4	2.073
5	2.007
6	1.945
7	1.881
8	1.834
9	1.779
10	1.723
11	1.673
12	1.623
13	1.582
14	1.542
15	1.515
16	1.486
17	1.470
18	1.464

2.

T= 140 °C

a = 0.390

Time (min)	Weight of pellet (g)
0	2.659
1	2.649
2	2.585
3	2.460
4	2.380
5	2.287
6	2.197
7	2.118
8	2.049

9	1.973
10	1.920
11	1.864
12	1.813
13	1.775
14	1.738
15	1.720
16	1.712

3.

T = 160 °C

a = 0.290

Time (min)	Weight of pellet (g)
0	2.196
1	2.166
2	2.052
3	1.954
4	1.860
5	1.745
6	1.672
7	1.587
8	1.521
9	1.470
10	1.424
11	1.399
12	1.394
13	1.391