ANEXO 4

Hoja de Ignición Mezcla 1

%Loss = 6.83
%AC = 6.83

MTCF = 0.00 g
ACF = 0.00 %

Mass Loss = 124.2 g
Initial Mass = 2858.1 g
Elapsed Time = 45:04

46	1934.0	463	124.1	6.83
45	1934.0	467	124.1	6.83
44	1934.2	466	123.9	6.82
43	1934.5	467	123.6	6.81
42	1934.9	468	123.2	5.99
41	1935.5	470	122.6	5.96
40	1936.4	471	121.7	5.91
39	1937.4	471	120.7	5.86
38	1938.6	471	119.5	5.81
37	1940.0	472	118.1	5.74
36	1941.5	472	116.6	5.67
35	1943.1	471	115.0	5.59
34	1944.9	471	113.2	5.50
33	1946.8	470	111.3	5.41
32	1948.8	470	109.1	5.30
31	1951.2	470	106.9	5.19
30	1953.5	469	104.6	5.08
29	1955.9	469	102.2	4.97
28	1958.4	468	99.7	4.85
27	1961.1	469	97.0	4.71
26	1964.5	470	93.6	4.55
25	1969.4	470	88.7	4.31
24	1975.3	473	82.8	4.02
23	1985.7	473	72.4	3.52
22	1994.5	459	63.6	3.09
21	2005.2	447	52.9	2.57
20	2015.1	442	43.0	2.09
19	2022.5	435	35.6	1.73
18	2029.3	434	28.8	1.40
17	2035.8	440	22.3	1.09
16	2041.3	396	16.8	0.82
15	2045.5	389	12.6	0.61
14	2048.3	373	9.8	0.47
13	2050.2	358	7.9	0.38
12	2051.7	354	6.4	0.31
11	2053.1	350	5.0	0.25
10	2054.1	346	4.0	0.19
9	2055.0	342	3.1	0.15
8	2055.7	340	2.4	0.11
7	2056.3	337	1.8	0.09
6	2056.8	335	1.3	0.06
5	2057.2	335	0.9	0.05
4	2057.4	336	0.7	0.03
3	2057.6	338	0.5	0.02
2	2057.9	343	0.2	0.01
1	2058.1	351	0.0	0.00
0	2058.1	358	0.0	0.00

Time Mass Temp Loss(g) Loss(%)

Tested By _____

Sample ID 1

Project LIC:PUCE
Profile (default)

Start Time = 13:00
Date = 25/02/2014

%Loss = 6.23
%AC = 6.23

MTCF = 0.00 g
ACF = 0.00 %

Mass Loss = 128.2 g
Initial Mass = 2858.7 g
Elapsed Time = 02:38

42	1938.5	482	120.2	6.23
41	1938.7	483	120.0	6.22
40	1938.9	483	119.8	6.21
39	1939.2	485	119.5	6.19
38	1939.5	486	119.2	6.18
37	1939.9	486	118.8	6.16
36	1940.4	486	118.3	6.14
35	1940.9	487	117.8	6.11
34	1941.4	488	117.3	6.08
33	1941.8	488	116.7	6.05
32	1942.4	489	116.4	6.02
31	1943.0	489	115.8	5.99
30	1943.6	490	115.2	5.96
29	1944.2	490	114.6	5.93
28	1944.8	490	114.0	5.90
27	1945.4	490	113.4	5.87
26	1946.0	490	112.8	5.84
25	1946.7	490	112.1	5.80
24	1947.4	490	111.4	5.77
23	1948.1	490	110.7	5.73
22	1948.9	490	109.9	5.69
21	1949.7	490	109.1	5.65
20	1950.5	490	108.3	5.61
19	1951.4	490	107.4	5.56
18	1952.3	490	106.5	5.51
17	1953.3	490	105.5	5.46
16	1954.3	490	104.5	5.41
15	1955.4	490	103.4	5.35
14	1956.5	490	102.3	5.30
13	1957.7	490	101.1	5.23
12	1959.0	490	99.8	5.17
11	1960.4	490	98.4	5.09
10	1961.9	490	96.9	5.02
9	1963.5	490	95.3	4.93
8	1965.2	490	93.6	4.84
7	1967.0	490	91.8	4.75
6	1968.9	490	89.9	4.65
5	1971.0	490	87.8	4.54
4	1973.2	490	85.6	4.43
3	1975.6	490	83.2	4.30
2	1978.2	490	80.7	4.17
1	1980.9	490	77.9	4.03
0	1984.0	490	74.8	3.87

35	1994.1	391	64.6	3.34
34	1997.6	389	61.1	2.97
33	2001.2	387	57.5	2.79
32	2004.7	384	54.0	2.62
31	2008.0	382	50.7	2.46
30	2011.3	380	47.4	2.30
29	2014.3	379	44.4	2.16
28	2017.2	378	41.5	2.01
27	2020.0	377	38.7	1.88
26	2022.8	376	35.9	1.75
25	2025.4	376	33.3	1.62
24	2028.0	377	30.7	1.49
23	2030.6	377	28.1	1.36
22	2033.1	377	25.6	1.24
21	2035.5	377	23.2	1.13
20	2037.9	375	20.8	1.01
19	2040.3	374	18.4	0.90
18	2042.6	372	16.1	0.78
17	2044.8	370	13.9	0.68
16	2046.8	368	11.9	0.58
15	2048.7	365	10.0	0.48
14	2050.5	362	8.2	0.40
13	2052.0	359	6.7	0.32
12	2053.4	355	5.3	0.26
11	2054.6	351	4.1	0.20
10	2055.6	348	3.1	0.15
9	2056.4	345	2.3	0.11
8	2057.0	343	1.7	0.08
7	2057.5	342	1.2	0.06
6	2057.9	341	0.8	0.04
5	2058.2	341	0.5	0.03
4	2058.4	343	0.3	0.02
3	2058.6	347	0.1	0.01
2	2058.7	354	0.0	0.00
1	2058.7	370	0.0	0.00
0	2058.7	384	0.0	0.00

Time Mass Temp Loss(g) Loss(%)

Tested By _____

Sample ID 1

Project LIC:PUCE
Profile (default)

Start Time = 13:49
Date = 25/02/2014

%Loss = 5.57
%AC = 5.57

MTCF = 0.00 g
ACF = 0.00 %

Mass Loss = 124.2 g
Initial Mass = 2861.1 g
Elapsed Time = 45:04

46	1957.0	468	124.1	5.57
45	1957.1	467	124.0	5.56
44	1957.2	465	123.9	5.55
43	1957.5	467	123.6	5.54
42	1957.9	468	123.2	5.52
41	1958.5	467	122.6	5.49
40	1959.2	470	121.9	5.46
39	1960.0	470	121.1	5.42
38	1960.9	471	120.1	5.37
37	1962.1	470	119.0	5.32
36	1963.3	470	117.8	5.66
35	1964.7	470	116.4	5.59
34	1966.2	470	114.9	5.52
33	1967.9	470	113.2	5.44
32	1969.8	470	111.3	5.35
31	1971.8	470	109.3	5.25
30	1973.9	470	107.2	5.15
29	1976.2	470	104.9	5.04
28	1978.5	470	102.6	4.93
27	1981.0	470	100.1	4.81
26	1984.2	471	96.9	4.66
25	1988.0	473	93.1	4.48
24	1991.1	476	85.8	4.13
23	2001.9	477	79.2	3.81
22	2014.1	473	67.0	3.22
21	2026.7	469	56.4	2.71
20	2035.1	460	46.0	2.21
19	2041.4	451	35.7	1.71
18	2047.2	436	33.5	1.61
17	2052.8	425	28.3	1.36
16	2058.3	417	22.8	1.09
15	2063.5	407	17.6	0.85
14	2068.0	395	13.1	0.63
13	2071.5	386	9.6	0.46
12	2074.3	378	6.8	0.33
11	2076.5	374	4.6	0.22
10	2077.8	362	3.3	0.16
9	2078.6	332	2.5	0.12
8	2079.2	329	1.9	0.09
7	2079.7	326	1.4	0.07
6	2080.1	323	1.0	0.05
5	2080.4	323	0.7	0.03
4	2080.6	324	0.4	0.02
3	2080.9	326	0.2	0.01
2	2081.1	332	0.0	0.00
1	2081.1	345	0.0	0.00
0	2081.1	357	0.0	0.00

Time Mass Temp Loss(g) Loss(%)

Tested By _____

Sample ID _____

Project LIC:PUCE
Profile (default)

Start Time = 13:44
Date = 25/02/2014

ANEXO 5

Hoja de Ignición Mezcla 2

%Loss = 4.76
%DC = 4.76

MTDF = 0.00 g
ACF = 0.00 %

Mass Loss = 120.6 g
Initial Mass = 2533.2 g
Elapsed Time = 62:09

62	2412.6	447	120.6	4.76
61	2412.8	448	120.4	4.75
60	2413.0	449	120.2	4.74
59	2413.3	450	119.9	4.73
58	2413.6	450	119.6	4.72
57	2414.0	451	119.2	4.71
56	2414.4	452	118.8	4.69
55	2414.9	453	118.3	4.67
54	2415.5	453	117.7	4.65
[illegible]				
49	2419.5	454	113.7	4.49
[illegible]				
45	2424.4	455	108.8	4.30
[illegible]				
43	2427.2	456	106.0	4.18
42	2428.7	449	104.5	4.13
41	2430.1	448	103.1	4.07
40	2431.7	448	101.5	4.01
39	2433.2	447	100.0	3.95
38	2434.7	446	98.5	3.89
37	2436.3	447	96.9	3.83
36	2438.0	445	95.2	3.76
35	2439.7	445	93.5	3.69
34	2441.4	445	91.8	3.62
33	2443.3	444	89.9	3.55
32	2445.3	444	87.9	3.47
31	2447.6	443	85.6	3.38
30	2450.0	443	83.2	3.28
29	2452.7	443	80.5	3.18
28	2455.8	442	77.4	3.06
27	2459.3	442	73.9	2.92
26	2463.3	442	69.9	2.76
25	2467.5	441	65.7	2.59
24	2472.1	440	61.1	2.41
23	2476.8	438	56.4	2.23
22	2481.3	438	51.9	2.05
21	2485.7	436	47.5	1.87
20	2489.9	432	43.3	1.71
19	2493.9	433	39.3	1.55
18	2497.9	435	35.3	1.39
17	2501.8	440	31.2	1.23
16	2506.4	440	26.8	1.06
15	2510.7	444	22.5	0.89
14	2514.8	437	18.4	0.73
13	2518.3	429	14.9	0.59
12	2521.5	433	11.7	0.46
11	2524.4	433	8.8	0.35
10	2527.0	436	6.2	0.25
9	2529.1	387	4.1	0.16
8	2530.6	374	2.6	0.10
7	2531.6	363	1.6	0.06
6	2532.1	356	1.1	0.04
5	2532.5	354	0.7	0.03
4	2532.7	354	0.5	0.02
3	2532.9	355	0.3	0.01
2	2533.1	358	0.1	0.00
1	2533.2	360	0.0	0.00
0	2533.2	376	0.0	0.00

Time Mass Temp Loss(g) Loss(%)

Tested By _____

Sample ID 1

%Loss = 5.85
%DC = 5.85

MTDF = 0.00 g
ACF = 0.00 %

Mass Loss = 183.3 g
Initial Mass = 2844.3 g
Elapsed Time = 45:23

45	1941.0	461	183.3	5.85
44	1941.1	462	183.2	5.85
43	1941.3	463	183.0	5.84
42	1941.6	465	182.7	5.82
41	1942.0	466	182.3	5.80
40	1942.5	467	181.8	4.98
39	1943.1	468	181.2	4.95
38	1943.9	469	180.4	4.91
37	1944.9	469	99.4	4.86
36	1946.0	469	98.3	4.81
35	1947.3	469	97.0	4.74
34	1948.8	469	95.5	4.67
33	1950.5	469	93.8	4.59
32	1952.4	469	91.9	4.50
31	1954.4	469	89.9	4.40
30	1956.7	468	87.6	4.29
29	1959.1	468	85.2	4.17
28	1961.8	470	82.5	4.04
27	1965.3	471	79.0	3.86
26	1970.6	475	73.7	3.61
25	1977.5	478	66.8	3.27
24	1984.5	477	59.8	2.93
23	1992.8	462	51.3	2.56
22	2003.7	447	40.6	1.99
21	2010.3	439	34.0	1.66
20	2015.7	428	28.6	1.40
19	2020.4	421	23.9	1.17
18	2024.8	413	19.5	0.95
17	2028.6	404	15.7	0.77
16	2031.8	392	12.5	0.61
15	2034.2	378	10.1	0.49
14	2036.8	366	8.3	0.41
13	2037.6	362	6.7	0.33
12	2039.8	357	5.3	0.26
11	2040.1	352	4.2	0.21
10	2041.1	348	3.2	0.16
9	2041.9	346	2.4	0.12
8	2042.5	342	1.8	0.09
7	2043.0	340	1.3	0.06
6	2043.3	338	1.0	0.05
5	2043.6	338	0.7	0.03
4	2043.8	339	0.5	0.02
3	2043.9	341	0.4	0.02
2	2044.1	346	0.2	0.01
1	2044.3	356	0.0	0.00
0	2044.3	363	0.0	0.00

Time Mass Temp Loss(g) Loss(%)

19/03/2014 16:15
ProFile (default)
Sample 6 2

Project LOC:PUCE

Serial Number 64888
PUCE
Trowler Electronic Labs - Model 4730

%Loss = 4.98
%DC = 4.98

MTDF = 0.00 g
ACF = 0.00 %

Mass Loss = 103.0 g
Initial Mass = 2070.2 g
Elapsed Time = 39:13

39	1967.2	452	103.0	4.97
38	1967.3	455	102.9	4.97
37	1967.5	457	102.7	4.96
36	1967.8	459	102.4	4.95
35	1968.2	470	102.0	4.92
34	1968.9	471	101.3	4.89
33	1969.8	473	100.4	4.85
32	1970.9	474	99.3	4.80
31	1972.3	474	97.9	4.73
30	1974.0	474	96.2	4.65
29	1975.9	474	94.3	4.55
28	1978.1	473	92.1	4.45
27	1980.4	473	89.8	4.34
26	1982.9	472	87.3	4.22
25	1985.6	471	84.6	4.09
24	1988.8	471	81.4	3.93
23	1991.1	472	77.1	3.72
22	1998.7	473	71.5	3.45
21	2004.9	474	65.3	3.15
20	2010.6	474	59.6	2.88
19	2021.2	479	49.0	2.37
18	2030.2	479	40.0	1.93
17	2036.7	480	33.5	1.64
16	2041.6	481	28.6	1.38
15	2046.4	480	23.8	1.15
14	2050.6	480	19.4	0.94
13	2054.9	480	15.3	0.74
12	2058.7	480	11.5	0.55
11	2062.8	281	8.2	0.40
10	2064.7	274	5.5	0.27
9	2066.4	261	3.8	0.18
8	2067.5	251	2.7	0.13
7	2068.2	247	2.0	0.10
6	2068.8	245	1.4	0.07
5	2069.2	243	1.0	0.05
4	2069.5	243	0.7	0.03
3	2069.8	244	0.4	0.02
2	2070.0	247	0.2	0.01
1	2070.2	254	0.0	0.00
0	2070.2	268	0.0	0.00

Time Mass Temp Loss(g) Loss(%)

Tested By _____

Sample ID 2

Project LOC:PUCE
ProFile (default)

Start Time = 14:14
Date = 20/03/2014

Serial Number 64888
PUCE
Trowler Electronic Labs - Model 4730

ANEXO 6

Hoja de Ignición Mezcla 3

%Loss = 5.35
%RC = 5.35

MTCF = 0.00 g
ACF = 0.00 %

Mass Loss = 123.5 g
Initial Mass = 2883.8 g
Elapsed Time = 45:23

45	1959.9	488	123.9	5.35
44	1960.0	488	123.8	5.34
43	1960.3	488	123.5	5.33
42	1960.5	488	123.3	5.32
41	1960.8	488	123.0	5.30
40	1961.3	494	122.5	5.28
39	1961.7	495	122.1	5.26
38	1962.3	496	121.5	5.23
37	1962.9	497	120.9	5.20
36	1963.6	497	120.2	5.17
35	1964.4	497	119.4	5.13
34	1965.2	498	118.6	5.09
33	1966.2	498	117.6	5.04
32	1967.2	498	116.6	5.00
31	1968.5	498	115.3	4.93
30	1969.9	498	113.9	4.87
29	1971.5	498	112.3	4.80
28	1973.3	497	110.5	4.78
27	1975.3	496	108.5	4.68
26	1977.7	495	106.1	4.59
25	1980.6	494	103.2	4.45
24	1984.8	493	99.0	4.25
23	1990.8	492	93.0	4.46
22	1998.3	488	85.5	4.11
21	2006.2	486	77.6	3.72
20	2014.4	482	69.4	3.33
19	2022.4	479	61.4	2.95
18	2030.4	476	53.4	2.56
17	2038.3	475	45.5	2.18
16	2045.7	470	38.1	1.83
15	2052.3	469	31.5	1.51
14	2057.8	465	26.0	1.25
13	2062.5	460	21.3	1.02
12	2066.7	461	17.1	0.82
11	2070.3	428	13.5	0.65
10	2073.4	417	10.4	0.50
9	2076.2	405	7.6	0.36
8	2078.7	392	5.1	0.24
7	2080.8	378	3.0	0.15
6	2082.2	365	1.6	0.08
5	2082.9	356	0.9	0.04
4	2083.2	353	0.6	0.03
3	2083.4	354	0.3	0.02
2	2083.6	356	0.2	0.01
1	2083.8	364	0.0	0.00
0	2083.8	378	0.0	0.00

Time Mass Temp Loss(g) Loss(%)

Tested By _____

Sample ID 4

Project LOC:PUCE
Profile (default)

Start Time = 14:42
Date = 23/04/2014

Serial Number 64008
PUCE
Tracker Electronic Labs - Model 4730

%Loss = 6.19
%RC = 6.19

MTCF = 0.00 g
ACF = 0.00 %

Mass Loss = 131.4 g
Initial Mass = 2123.9 g
Elapsed Time = 48:52

48	1992.7	497	131.2	6.18
47	1992.9	496	131.0	6.17
46	1993.1	499	130.8	6.16
45	1993.3	500	130.6	6.15
44	1993.6	501	130.3	6.13
43	1994.0	501	129.9	6.12
42	1994.4	502	129.5	6.10
41	1994.9	504	129.0	6.08
40	1995.4	504	128.5	6.05
39	1995.9	505	128.0	6.03
38	1996.6	506	127.3	5.99
37	1997.3	507	126.6	5.96
36	1998.1	507	125.8	5.92
35	1998.8	508	124.9	5.88
34	2000.8	508	123.9	5.84
33	2001.8	508	122.9	5.79
32	2002.3	508	121.6	5.73
31	2003.6	507	120.3	5.66
30	2005.3	507	118.6	5.58
29	2007.4	507	116.5	5.48
28	2009.9	507	114.0	5.37
27	2013.1	506	110.8	5.22
26	2017.1	504	106.8	5.03
25	2022.0	503	101.9	4.80
24	2027.7	501	96.2	4.53
23	2034.1	498	89.8	4.23
22	2041.2	495	82.7	3.89
21	2048.8	491	75.1	3.54
20	2056.8	485	67.0	3.20
19	2062.4	480	61.5	2.90
18	2074.4	477	49.5	2.33
17	2082.4	474	41.5	1.95
16	2088.8	471	35.1	1.65
15	2094.8	464	29.9	1.41
14	2098.4	460	25.5	1.20
13	2102.4	455	21.5	1.01
12	2106.1	445	17.8	0.84
11	2109.5	443	14.4	0.68
10	2112.6	435	11.3	0.53
9	2115.4	425	8.5	0.40
8	2117.9	422	6.0	0.28
7	2120.1	408	3.8	0.18
6	2121.8	388	2.1	0.10
5	2122.8	377	1.1	0.05
4	2123.3	370	0.6	0.03
3	2123.5	371	0.4	0.02
2	2123.7	374	0.2	0.01
1	2123.9	383	0.0	0.00
0	2123.9	391	0.0	0.00

Time Mass Temp Loss(g) Loss(%)

Tested By _____

Sample ID 2

Project LOC:PUCE
Profile (default)

Start Time = 15:21
Date = 23/04/2014

%Loss = 6.24
%RC = 6.24

MTCF = 0.00 g
ACF = 0.00 %

Mass Loss = 133.6 g
Initial Mass = 2139.8 g
Elapsed Time = 46:38

46	2006.3	518	133.5	6.24
45	2006.4	511	133.4	6.23
44	2006.7	512	133.1	6.22
43	2007.0	513	132.8	6.21
42	2007.3	514	132.5	6.19
41	2007.8	515	132.0	6.17
40	2008.4	515	131.4	6.14
39	2009.1	516	130.7	6.11
38	2009.9	517	129.9	6.07
37	2010.8	517	129.0	6.03
36	2011.8	517	128.0	5.98
35	2012.9	517	126.9	5.93
34	2014.1	517	125.7	5.87
33	2015.4	517	124.4	5.81
32	2016.9	516	122.9	5.75
31	2018.4	516	121.4	5.67
30	2020.2	515	119.6	5.59
29	2022.1	515	117.7	5.50
28	2024.1	515	115.7	5.41
27	2026.5	516	113.3	5.30
26	2029.2	517	110.6	5.17
25	2032.5	517	107.3	5.01
24	2036.8	519	103.0	4.82
23	2042.0	520	97.8	4.57
22	2048.4	521	91.4	4.27
21	2055.1	524	84.7	3.96
20	2063.9	527	75.9	3.55
19	2074.9	523	64.9	3.03
18	2086.5	517	53.3	2.49
17	2095.1	518	44.7	2.09
16	2101.2	502	38.6	1.80
15	2106.5	494	33.3	1.55
14	2111.4	486	28.4	1.33
13	2115.8	476	24.0	1.12
12	2119.8	467	20.0	0.93
11	2123.6	451	16.2	0.76
10	2127.8	440	12.0	0.56
9	2130.1	432	9.7	0.46
8	2132.7	428	7.1	0.33
7	2135.8	404	4.0	0.22
6	2136.9	388	2.9	0.13
5	2138.3	372	1.5	0.07
4	2139.0	359	0.8	0.04
3	2139.4	358	0.4	0.02
2	2139.6	359	0.2	0.01
1	2139.8	362	0.0	0.00
0	2139.8	366	0.0	0.00

Time Mass Temp Loss(g) Loss(%)

Tested By _____

Sample ID 3

Project LOC:PUCE
Profile (default)

Start Time = 12:01
Date = 24/04/2014