

BIBLIOGRAFÍA

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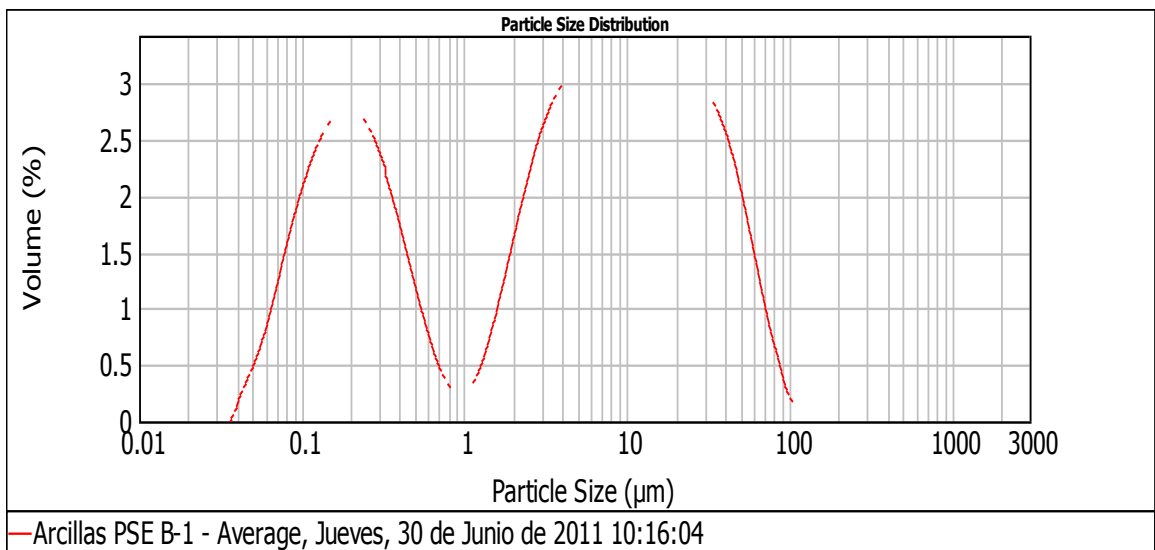
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APÉNDICES

APÉNDICE A

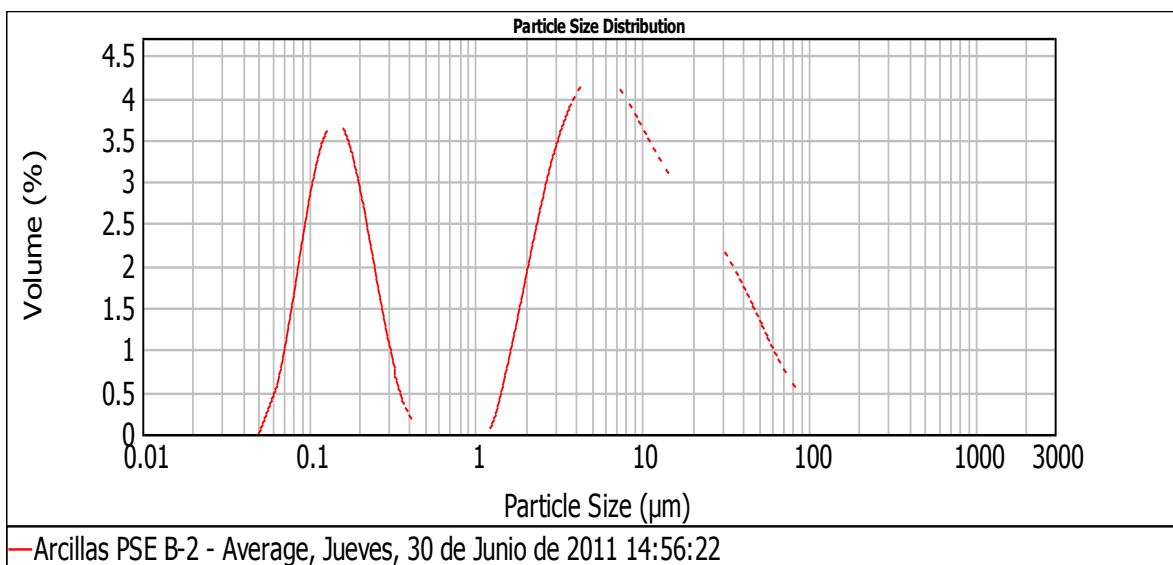
DISTRIBUCIÓN DE TAMAÑO DE PARTÍCULA DE LAS MUESTRAS DE ARCILLAS DE LA PSE

MUESTRA B1



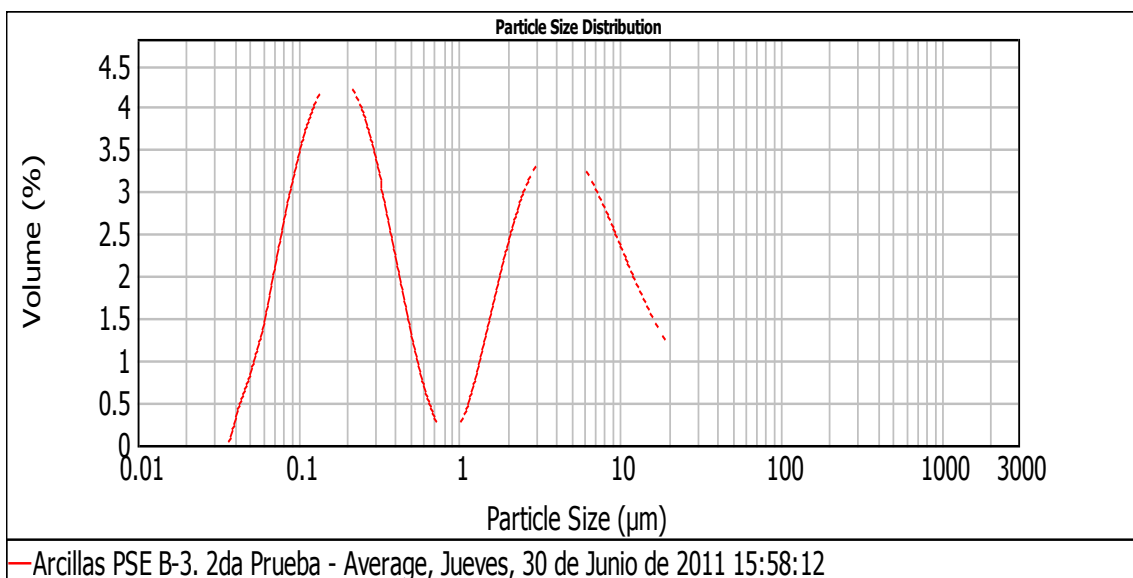
Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	2.08	1.096	0.35	11.482	2.47	120.226	0.00	1258.925	0.00
0.011	0.00	0.120	2.27	1.259	0.56	13.183	2.46	138.038	0.00	1445.440	0.00
0.013	0.00	0.138	2.41	1.445	0.84	15.136	2.48	158.489	0.00	1659.587	0.00
0.015	0.00	0.158	2.49	1.660	1.16	17.378	2.53	181.970	0.00	1905.461	0.00
0.017	0.00	0.182	2.51	1.905	1.51	19.953	2.59	208.930	0.00	2187.762	0.00
0.020	0.00	0.209	2.46	2.188	1.85	22.909	2.64	239.883	0.00	2511.886	0.00
0.023	0.00	0.240	2.34	2.512	2.15	26.303	2.65	275.423	0.00	2884.032	0.00
0.026	0.00	0.275	2.16	2.884	2.40	30.200	2.60	316.228	0.00	3311.311	0.00
0.030	0.00	0.316	1.93	3.311	2.60	34.674	2.46	363.078	0.00	3801.894	0.00
0.035	0.03	0.363	1.65	3.802	2.72	39.811	2.24	416.869	0.00	4365.158	0.00
0.040	0.25	0.417	1.35	4.365	2.79	45.709	1.93	478.630	0.00	5011.872	0.00
0.046	0.42	0.479	1.04	5.012	2.81	52.481	1.57	549.541	0.00	5754.399	0.00
0.052	0.64	0.550	0.75	5.754	2.79	60.256	1.19	630.957	0.00	6606.934	0.00
0.060	0.90	0.631	0.50	6.607	2.73	69.183	0.82	724.436	0.00	7585.776	0.00
0.069	1.23	0.724	0.31	7.586	2.65	79.433	0.51	831.764	0.00	8709.636	0.00
0.079	1.55	0.832	0.22	8.710	2.58	91.201	0.22	954.993	0.00	10000.000	0.00
0.091	1.83	0.955	0.23	10.000	2.51	104.713	0.10	1096.478	0.00		
0.105		1.096		11.482		120.226		1258.925			

MUESTRA B2



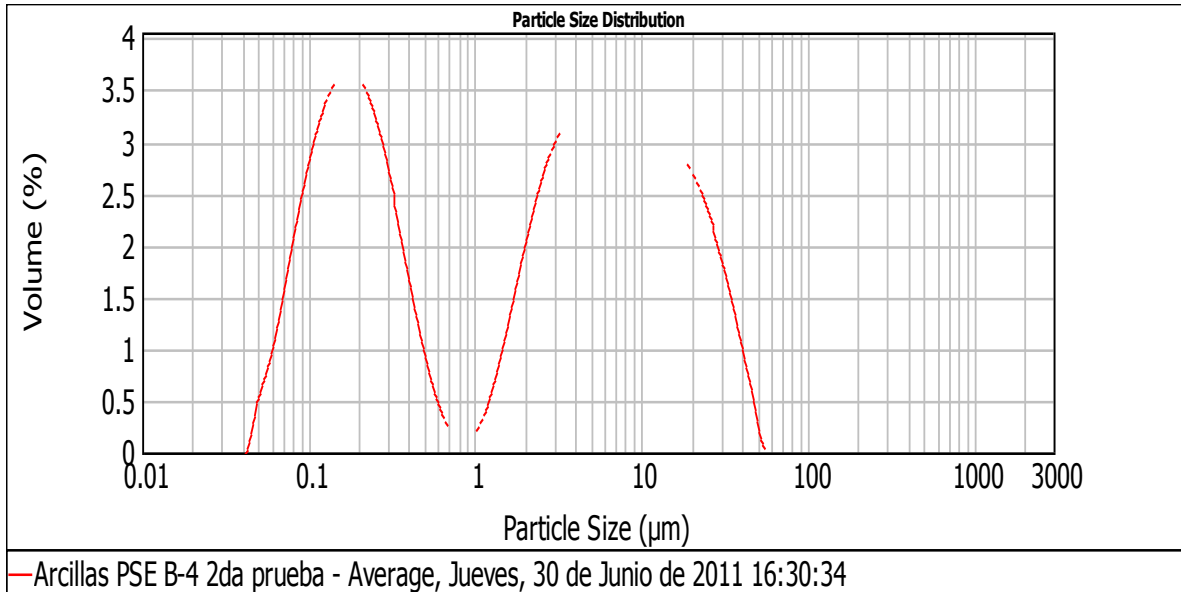
Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	2.96	1.096	0.02	11.482	2.97	120.226	0.19	1258.925	0.00
0.011	0.00	0.120	3.28	1.259	0.26	13.183	2.79	138.038	0.14	1445.440	0.00
0.013	0.00	0.138	3.34	1.445	0.72	15.136	2.63	158.489	0.11	1659.587	0.00
0.015	0.00	0.158	3.14	1.660	1.22	17.378	2.49	181.970	0.08	1905.461	0.00
0.017	0.00	0.182	2.73	1.905	1.75	19.953	2.36	208.930	0.04	2187.762	0.00
0.020	0.00	0.209	2.17	2.188	2.27	22.909	2.22	239.883	0.03	2511.886	0.00
0.023	0.00	0.240	1.57	2.512	2.74	26.303	2.08	275.423	0.00	2884.032	0.00
0.026	0.00	0.275	1.01	2.884	3.14	30.200	1.91	316.228	0.00	3311.311	0.00
0.030	0.00	0.316	0.56	3.311	3.46	34.674	1.73	363.078	0.00	3801.894	0.00
0.035	0.00	0.363	0.25	3.802	3.68	39.811	1.51	416.869	0.00	4365.158	0.00
0.040	0.00	0.417	0.08	4.365	3.82	45.709	1.29	478.630	0.00	5011.872	0.00
0.046	0.00	0.479	0.01	5.012	3.86	52.481	1.05	549.541	0.00	5754.399	0.00
0.052	0.26	0.550	0.00	5.754	3.83	60.256	0.83	630.957	0.00	6606.934	0.00
0.060	0.55	0.631	0.00	6.607	3.72	69.183	0.63	724.436	0.00	7585.776	0.00
0.069	1.10	0.724	0.00	7.586	3.56	79.433	0.47	831.764	0.00	8709.636	0.00
0.079	1.77	0.832	0.00	8.710	3.37	91.201	0.34	954.993	0.00	10000.000	0.00
0.091	2.43	0.955	0.00	10.000	3.17	104.713	0.26	1096.478	0.00		
0.105		1.096		11.482		120.226		1258.925			

MUESTRA B3



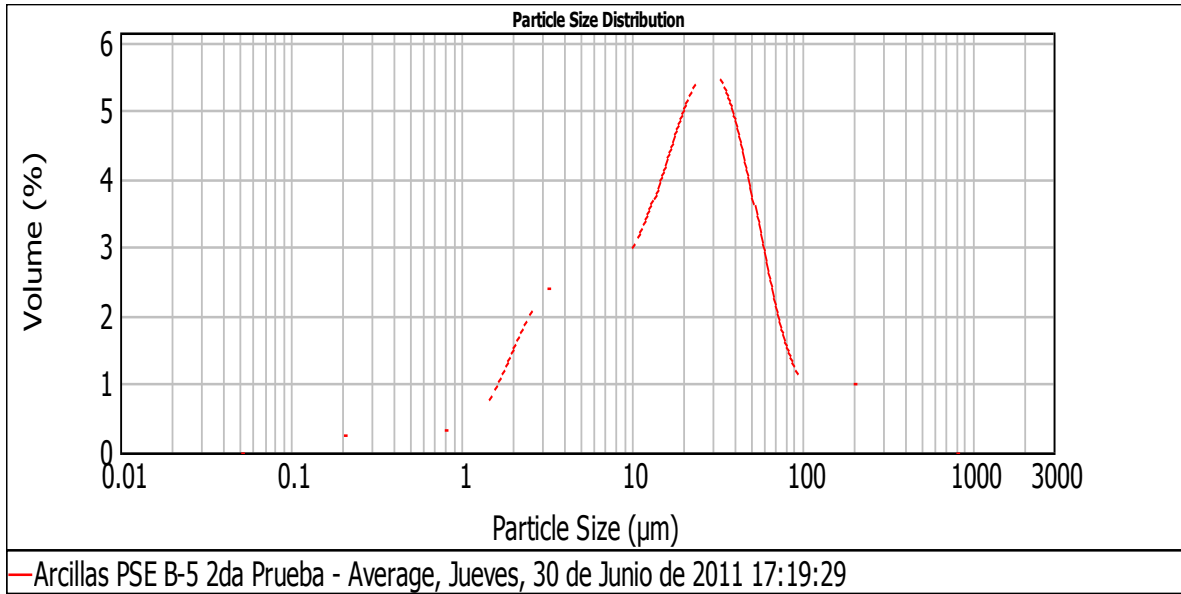
Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	3.42	1.096	0.52	11.482	1.75	120.226	0.00	1258.925	0.00
0.011	0.00	0.120	3.70	1.259	0.90	13.183	1.52	138.038	0.00	1445.440	0.00
0.013	0.00	0.138	3.88	1.445	1.34	15.136	1.31	158.489	0.00	1659.587	0.00
0.015	0.00	0.158	3.95	1.660	1.79	17.378	1.13	181.970	0.00	1905.461	0.00
0.017	0.00	0.182	3.90	1.905	2.20	19.953	0.96	208.930	0.00	2187.762	0.00
0.020	0.00	0.209	3.74	2.188	2.56	22.909	0.82	239.883	0.00	2511.886	0.00
0.023	0.00	0.240	3.47	2.512	2.84	26.303	0.68	275.423	0.00	2884.032	0.00
0.026	0.00	0.275	3.11	2.884	3.03	30.200	0.56	316.228	0.00	3311.311	0.00
0.030	0.00	0.316	2.66	3.311	3.14	34.674	0.44	363.078	0.00	3801.894	0.00
0.035	0.05	0.363	2.16	3.802	3.18	39.811	0.34	416.869	0.00	4365.158	0.00
0.040	0.42	0.417	1.64	4.365	3.15	45.709	0.24	478.630	0.00	5011.872	0.00
0.046	0.71	0.479	1.15	5.012	3.06	52.481	0.17	549.541	0.00	5754.399	0.00
0.052	1.08	0.550	0.70	5.754	2.91	60.256	0.11	630.957	0.00	6606.934	0.00
0.060	1.52	0.631	0.36	6.607	2.72	69.183	0.04	724.436	0.00	7585.776	0.00
0.069	2.07	0.724	0.16	7.586	2.49	79.433	0.02	831.764	0.00	8709.636	0.00
0.079	2.59	0.832	0.12	8.710	2.24	91.201	0.01	954.993	0.00	10000.000	0.00
0.091	3.05	0.955	0.24	10.000	1.99	104.713	0.00	1096.478	0.00		
0.105		1.096		11.482		120.226		1258.925			

MUESTRA B4



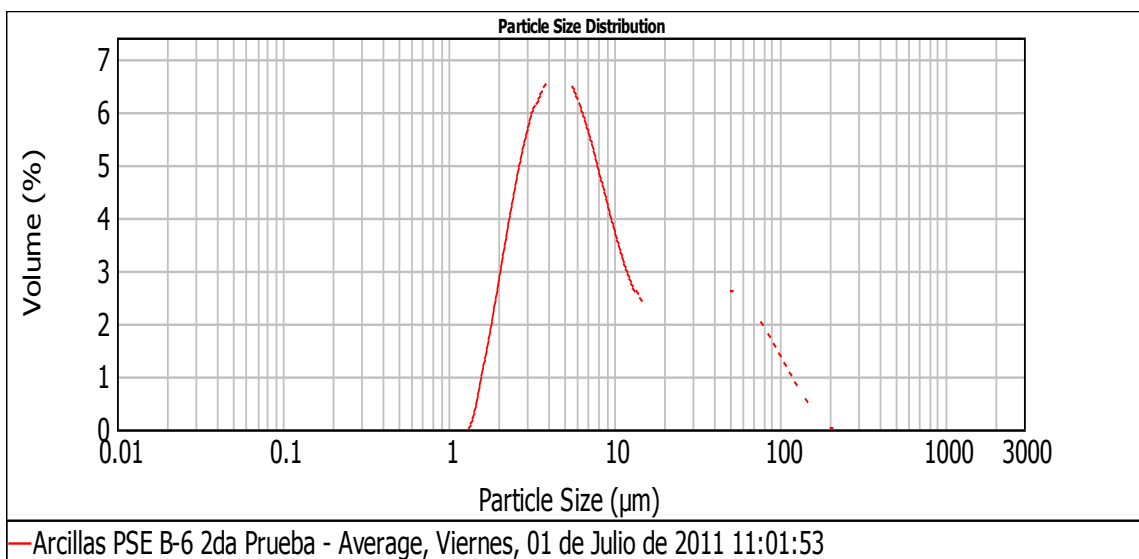
Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	2.83	1.096	0.38	11.482	2.81	120.226	0.00	1258.925	0.00
0.011	0.00	0.120	3.10	1.259	0.68	13.183	2.74	138.038	0.00	1445.440	0.00
0.013	0.00	0.138	3.27	1.445	1.06	15.136	2.64	158.489	0.00	1659.587	0.00
0.015	0.00	0.158	3.33	1.660	1.46	17.378	2.51	181.970	0.00	1905.461	0.00
0.017	0.00	0.182	3.28	1.905	1.86	19.953	2.34	208.930	0.00	2187.762	0.00
0.020	0.00	0.209	3.11	2.188	2.22	22.909	2.12	239.883	0.00	2511.886	0.00
0.023	0.00	0.240	2.85	2.512	2.52	26.303	1.86	275.423	0.00	2884.032	0.00
0.026	0.00	0.275	2.50	2.884	2.74	30.200	1.54	316.228	0.00	3311.311	0.00
0.030	0.00	0.316	2.08	3.311	2.89	34.674	1.17	363.078	0.00	3801.894	0.00
0.035	0.00	0.363	1.64	3.802	2.98	39.811	0.77	416.869	0.00	4365.158	0.00
0.040	0.02	0.417	1.19	4.365	3.02	45.709	0.37	478.630	0.00	5011.872	0.00
0.046	0.44	0.479	0.80	5.012	3.04	52.481	0.00	549.541	0.00	5754.399	0.00
0.052	0.73	0.550	0.47	5.754	3.03	60.256	0.00	630.957	0.00	6606.934	0.00
0.060	1.09	0.631	0.24	6.607	3.00	69.183	0.00	724.436	0.00	7585.776	0.00
0.069	1.57	0.724	0.13	7.586	2.96	79.433	0.00	831.764	0.00	8709.636	0.00
0.079	2.05	0.832	0.11	8.710	2.92	91.201	0.00	954.993	0.00	10000.000	0.00
0.091	2.48	0.955	0.19	10.000	2.87	104.713	0.00	1096.478	0.00		
0.105		1.096		11.482		120.226		1258.925			

MUESTRA B5



Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.05	1.096	0.42	11.482	3.10	120.226	0.79	1258.925	0.00
0.011	0.00	0.120	0.09	1.259	0.58	13.183	3.47	138.038	0.82	1445.440	0.00
0.013	0.00	0.138	0.12	1.445	0.80	15.136	3.89	158.489	0.88	1659.587	0.00
0.015	0.00	0.158	0.16	1.660	1.08	17.378	4.30	181.970	0.91	1905.461	0.00
0.017	0.00	0.182	0.20	1.905	1.38	19.953	4.67	208.930	0.90	2187.762	0.00
0.020	0.00	0.209	0.24	2.188	1.67	22.909	4.93	239.883	0.84	2511.886	0.00
0.023	0.00	0.240	0.28	2.512	1.91	26.303	5.04	275.423	0.74	2884.032	0.00
0.026	0.00	0.275	0.31	2.884	2.09	30.200	4.96	316.228	0.60	3311.311	0.00
0.030	0.00	0.316	0.33	3.311	2.21	34.674	4.68	363.078	0.47	3801.894	0.00
0.035	0.00	0.363	0.34	3.802	2.26	39.811	4.21	416.869	0.33	4365.158	0.00
0.040	0.00	0.417	0.34	4.365	2.28	45.709	3.61	478.630	0.22	5011.872	0.00
0.046	0.00	0.479	0.33	5.012	2.28	52.481	2.94	549.541	0.11	5754.399	0.00
0.052	0.00	0.550	0.31	5.754	2.29	60.256	2.27	630.957	0.04	6606.934	0.00
0.060	0.00	0.631	0.29	6.607	2.33	69.183	1.69	724.436	0.00	7585.776	0.00
0.069	0.00	0.724	0.27	7.586	2.41	79.433	1.24	831.764	0.00	8709.636	0.00
0.079	0.00	0.832	0.28	8.710	2.56	91.201	0.95	954.993	0.00	10000.000	0.00
0.091	0.00	0.955	0.32	10.000	2.79	104.713	0.81	1096.478	0.00		
0.105	0.00	1.096		11.482		120.226		1258.925	0.00		

MUESTRA B6



Size (μm)	Volume In %
0.010	0.00
0.011	0.00
0.013	0.00
0.015	0.00
0.017	0.00
0.020	0.00
0.023	0.00
0.026	0.00
0.030	0.00
0.035	0.00
0.040	0.00
0.046	0.00
0.052	0.00
0.060	0.00
0.069	0.00
0.079	0.00
0.091	0.00
0.105	0.00

Size (μm)	Volume In %
0.105	0.00
0.120	0.00
0.138	0.00
0.158	0.00
0.182	0.00
0.209	0.00
0.240	0.00
0.275	0.00
0.316	0.00
0.363	0.00
0.417	0.00
0.479	0.00
0.550	0.00
0.631	0.00
0.724	0.00
0.832	0.00
0.955	0.00
1.096	0.00

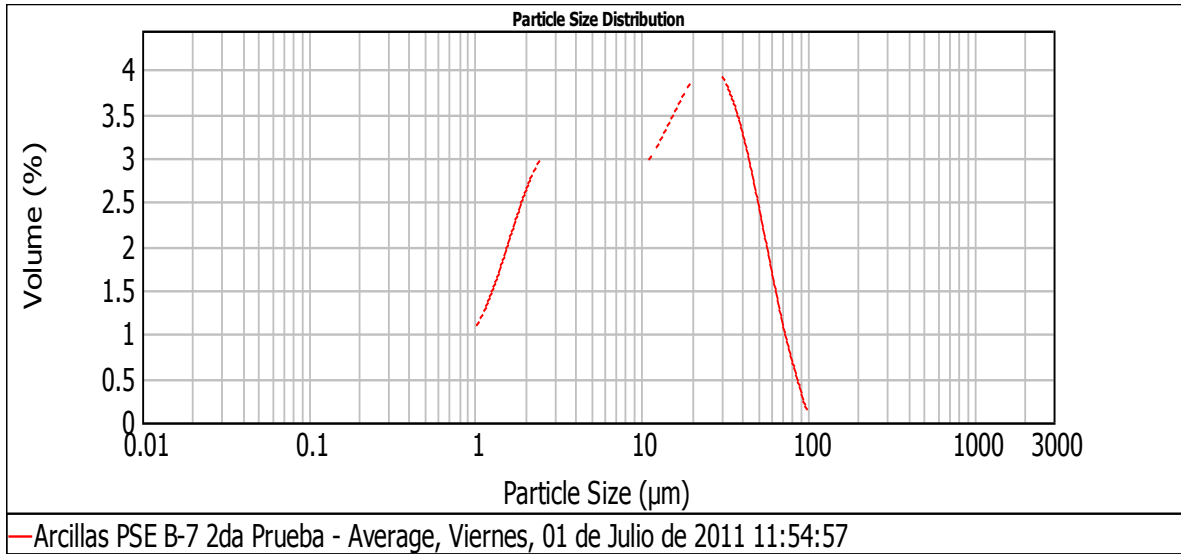
Size (μm)	Volume In %
1.096	0.00
1.259	0.05
1.445	0.78
1.660	1.63
1.905	2.60
2.188	3.58
2.512	4.48
2.884	5.21
3.311	5.74
3.802	6.02
4.365	6.08
5.012	5.92
5.754	5.56
6.607	5.04
7.586	4.41
8.710	3.77
10.000	3.15
11.482	

Size (μm)	Volume In %
11.482	2.63
13.183	2.24
15.136	1.99
17.378	1.88
19.953	1.89
22.909	1.99
26.303	2.13
30.200	2.27
34.674	2.38
39.811	2.43
45.709	2.40
52.481	2.29
60.256	2.12
69.183	1.89
79.433	1.62
91.201	1.32
104.713	1.02
120.226	

Size (μm)	Volume In %
120.226	0.72
138.038	0.46
158.489	0.23
181.970	0.08
208.930	0.00
239.883	0.00
275.423	0.00
316.228	0.00
363.078	0.00
416.869	0.00
478.630	0.00
549.541	0.00
630.957	0.00
724.436	0.00
831.764	0.00
954.993	0.00
1096.478	0.00
1258.925	0.00

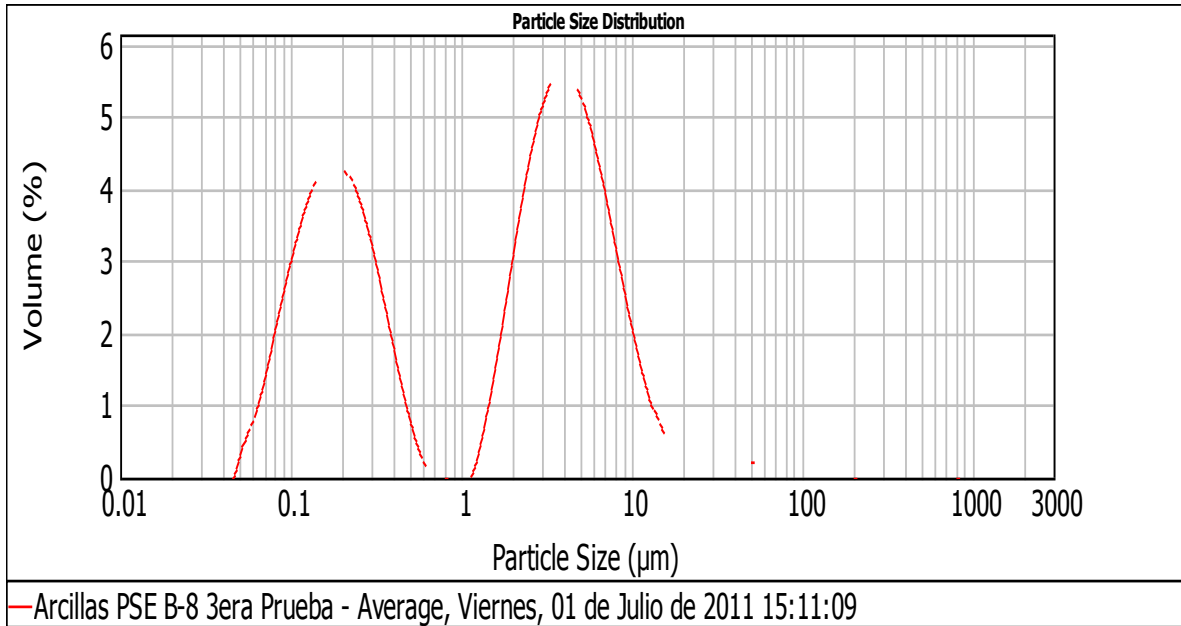
Size (μm)	Volume In %
1258.925	0.00
1445.440	0.00
1659.587	0.00
1905.461	0.00
2187.762	0.00
2511.886	0.00
2884.032	0.00
3311.311	0.00
3801.894	0.00
4365.158	0.00
5011.872	0.00
5754.399	0.00
6606.934	0.00
7585.776	0.00
8709.636	0.00
10000.000	0.00

MUESTRA B7



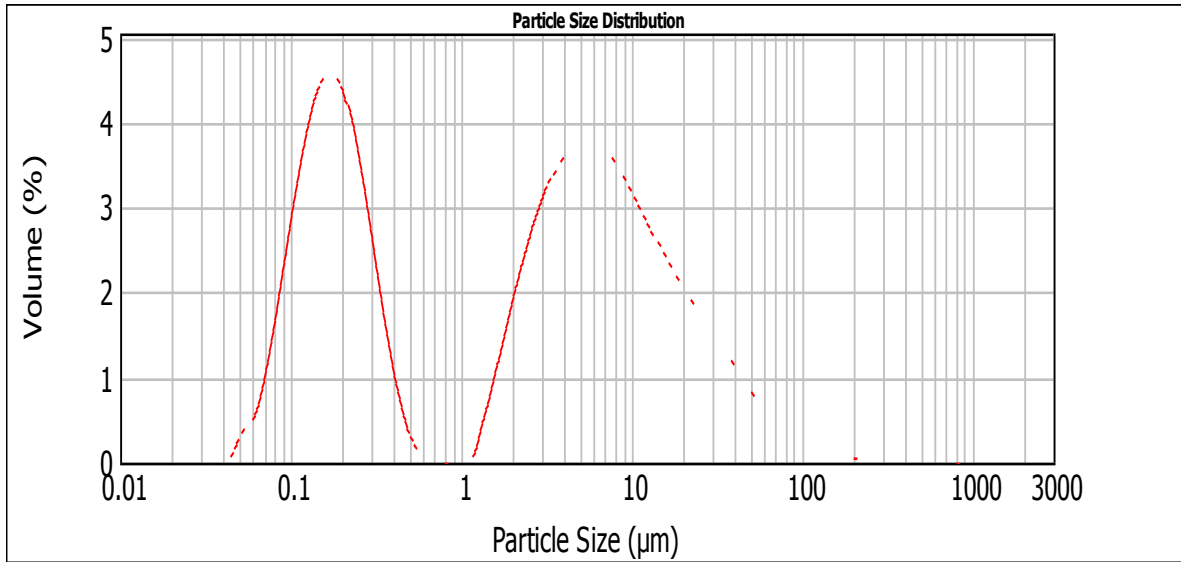
Size (μm)	Volume In %	Size (μm)	Volume In %	Size (μm)	Volume In %	Size (μm)	Volume In %	Size (μm)	Volume In %	Size (μm)	Volume In %
0.010	0.00	0.105	0.83	1.096	1.20	11.482	2.83	120.226	0.00	1258.925	0.00
0.011	0.00	0.120	0.93	1.259	1.47	13.183	3.03	138.038	0.00	1445.440	0.00
0.013	0.00	0.138	1.02	1.445	1.78	15.136	3.24	158.489	0.00	1659.587	0.00
0.015	0.00	0.158	1.08	1.660	2.10	17.378	3.43	181.970	0.00	1905.461	0.00
0.017	0.00	0.182	1.13	1.905	2.40	19.953	3.57	208.930	0.00	2187.762	0.00
0.020	0.00	0.209	1.16	2.188	2.64	22.909	3.64	239.883	0.00	2511.886	0.00
0.023	0.00	0.240	1.16	2.512	2.79	26.303	3.61	275.423	0.00	2884.032	0.00
0.026	0.02	0.275	1.13	2.884	2.85	30.200	3.47	316.228	0.00	3311.311	0.00
0.030	0.04	0.316	1.09	3.311	2.83	34.674	3.20	363.078	0.00	3801.894	0.00
0.035	0.08	0.363	1.03	3.802	2.76	39.811	2.82	416.869	0.00	4365.158	0.00
0.040	0.12	0.417	0.95	4.365	2.66	45.709	2.36	478.630	0.00	5011.872	0.00
0.046	0.18	0.479	0.88	5.012	2.57	52.481	1.85	549.541	0.00	5754.399	0.00
0.052	0.25	0.550	0.81	5.754	2.50	60.256	1.34	630.957	0.00	6606.934	0.00
0.060	0.34	0.631	0.78	6.607	2.46	69.183	0.86	724.436	0.00	7585.776	0.00
0.069	0.47	0.724	0.79	7.586	2.48	79.433	0.49	831.764	0.00	8709.636	0.00
0.079	0.59	0.832	0.85	8.710	2.54	91.201	0.14	954.993	0.00	10000.000	0.00
0.091	0.72	0.955	0.99	10.000	2.67	104.713	0.02	1096.478	0.00		
0.105		1.096		11.482		120.226		1258.925	0.00		

MUESTRA B8



Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	3.11	1.096	0.08	11.482	1.12	120.226	0.02	1258.925	0.00
0.011	0.00	0.120	3.52	1.259	0.59	13.183	0.72	138.038	0.00	1445.440	0.00
0.013	0.00	0.138	3.80	1.445	1.24	15.136	0.45	158.489	0.00	1659.587	0.00
0.015	0.00	0.158	3.94	1.660	2.01	17.378	0.27	181.970	0.00	1905.461	0.00
0.017	0.00	0.182	3.92	1.905	2.82	19.953	0.19	208.930	0.00	2187.762	0.00
0.020	0.00	0.209	3.73	2.188	3.59	22.909	0.16	239.883	0.00	2511.886	0.00
0.023	0.00	0.240	3.39	2.512	4.24	26.303	0.17	275.423	0.00	2884.032	0.00
0.026	0.00	0.275	2.93	2.884	4.72	30.200	0.19	316.228	0.00	3311.311	0.00
0.030	0.00	0.316	2.36	3.311	4.98	34.674	0.21	363.078	0.00	3801.894	0.00
0.035	0.00	0.363	1.75	3.802	5.03	39.811	0.21	416.869	0.00	4365.158	0.00
0.040	0.00	0.417	1.15	4.365	4.89	45.709	0.20	478.630	0.00	5011.872	0.00
0.046	0.00	0.479	0.64	5.012	4.57	52.481	0.19	549.541	0.00	5754.399	0.00
0.052	0.13	0.550	0.25	5.754	4.09	60.256	0.16	630.957	0.00	6606.934	0.00
0.060	0.60	0.631	0.02	6.607	3.51	69.183	0.14	724.436	0.00	7585.776	0.00
0.069	1.49	0.724	0.00	7.586	2.86	79.433	0.09	831.764	0.00	8709.636	0.00
0.079	2.06	0.832	0.00	8.710	2.22	91.201	0.06	954.993	0.00	10000.000	0.00
0.091	2.62	0.955	0.00	10.000	1.62	104.713	0.03	1096.478	0.00		
0.105		1.096		11.482		120.226		1258.925			

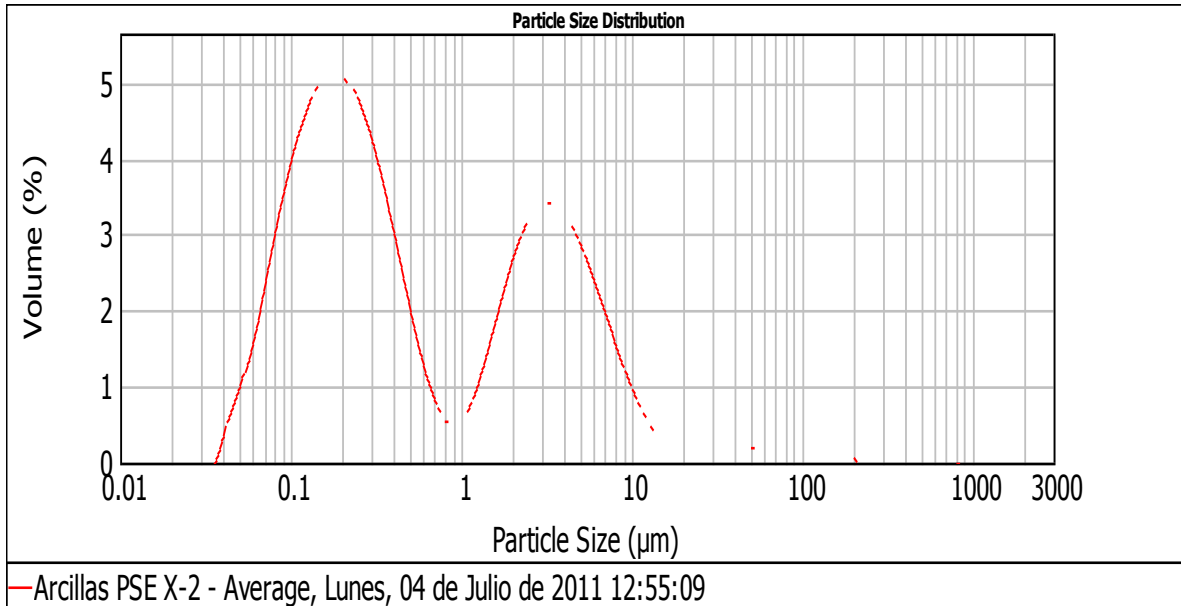
MUESTRA X1



— Arcillas PSE X-1 - Average, Lunes, 04 de Julio de 2011 12:03:29

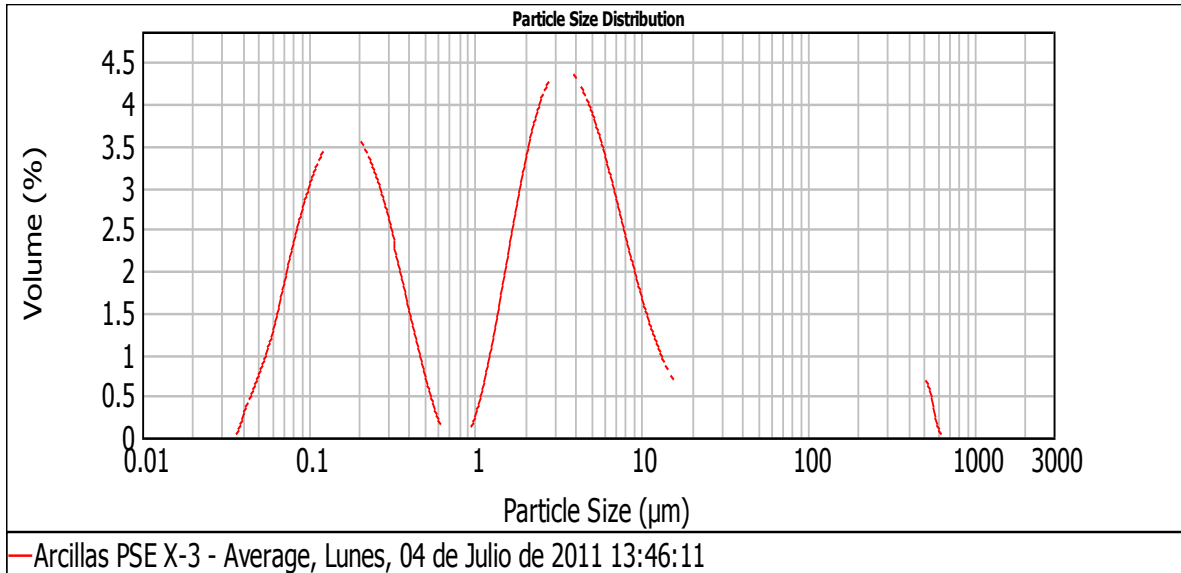
Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	3.10	1.096	0.07	11.482	2.55	120.226	0.11	1258.925	0.00
0.011	0.00	0.120	3.64	1.259	0.46	13.183	2.34	138.038	0.09	1445.440	0.00
0.013	0.00	0.138	4.00	1.445	0.88	15.136	2.13	158.489	0.07	1659.587	0.00
0.015	0.00	0.158	4.14	1.660	1.33	17.378	1.94	181.970	0.05	1905.461	0.00
0.017	0.00	0.182	4.02	1.905	1.77	19.953	1.76	208.930	0.05	2187.762	0.00
0.020	0.00	0.209	3.67	2.188	2.18	22.909	1.60	239.883	0.05	2511.886	0.00
0.023	0.00	0.240	3.11	2.512	2.55	26.303	1.44	275.423	0.05	2884.032	0.00
0.026	0.00	0.275	2.43	2.884	2.86	30.200	1.28	316.228	0.05	3311.311	0.00
0.030	0.00	0.316	1.72	3.311	3.10	34.674	1.12	363.078	0.05	3801.894	0.00
0.035	0.00	0.363	1.09	3.802	3.28	39.811	0.96	416.869	0.01	4365.158	0.00
0.040	0.01	0.417	0.58	4.365	3.39	45.709	0.80	478.630	0.00	5011.872	0.00
0.046	0.23	0.479	0.24	5.012	3.43	52.481	0.64	549.541	0.00	5754.399	0.00
0.052	0.39	0.550	0.06	5.754	3.40	60.256	0.50	630.957	0.00	6606.934	0.00
0.060	0.64	0.631	0.00	6.607	3.31	69.183	0.38	724.436	0.00	7585.776	0.00
0.069	1.15	0.724	0.00	7.586	3.16	79.433	0.28	831.764	0.00	8709.636	0.00
0.079	1.78	0.832	0.00	8.710	2.98	91.201	0.20	954.993	0.00	10000.000	0.00
0.091	2.45	0.955	0.00	10.000	2.77	104.713	0.15	1096.478	0.00		
0.105		1.096	0.00	11.482		120.226		1258.925	0.00		

MUESTRA X2



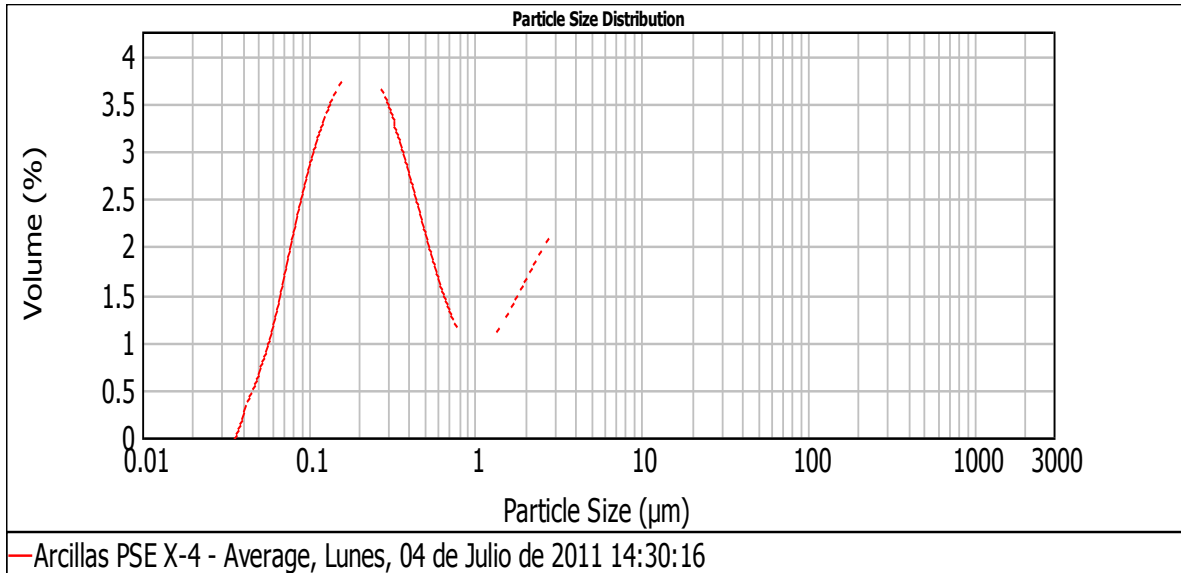
Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	3.93	1.096	0.78	11.482	0.52	120.226	0.08	1258.925	0.00
0.011	0.00	0.120	4.27	1.259	1.15	13.183	0.34	138.038	0.08	1445.440	0.00
0.013	0.00	0.138	4.51	1.445	1.59	15.136	0.22	158.489	0.07	1659.587	0.00
0.015	0.00	0.158	4.62	1.660	2.04	17.378	0.16	181.970	0.04	1905.461	0.00
0.017	0.00	0.182	4.62	1.905	2.45	19.953	0.14	208.930	0.02	2187.762	0.00
0.020	0.00	0.209	4.48	2.188	2.78	22.909	0.14	239.883	0.00	2511.886	0.00
0.023	0.00	0.240	4.22	2.512	2.99	26.303	0.16	275.423	0.00	2884.032	0.00
0.026	0.00	0.275	3.86	2.884	3.09	30.200	0.17	316.228	0.00	3311.311	0.00
0.030	0.00	0.316	3.40	3.311	3.06	34.674	0.19	363.078	0.00	3801.894	0.00
0.035	0.06	0.363	2.87	3.802	2.92	39.811	0.19	416.869	0.00	4365.158	0.00
0.040	0.48	0.417	2.31	4.365	2.71	45.709	0.18	478.630	0.00	5011.872	0.00
0.046	0.81	0.479	1.75	5.012	2.43	52.481	0.16	549.541	0.00	5754.399	0.00
0.052	1.22	0.550	1.24	5.754	2.10	60.256	0.14	630.957	0.00	6606.934	0.00
0.060	1.72	0.631	0.84	6.607	1.75	69.183	0.12	724.436	0.00	7585.776	0.00
0.069	2.36	0.724	0.56	7.586	1.39	79.433	0.11	831.764	0.00	8709.636	0.00
0.079	2.96	0.832	0.46	8.710	1.05	91.201	0.10	954.993	0.00	10000.000	0.00
0.091	3.49	0.955	0.54	10.000	0.76	104.713	0.09	1096.478	0.00		
0.105		1.096		11.482		120.226		1258.925			

MUESTRA X3



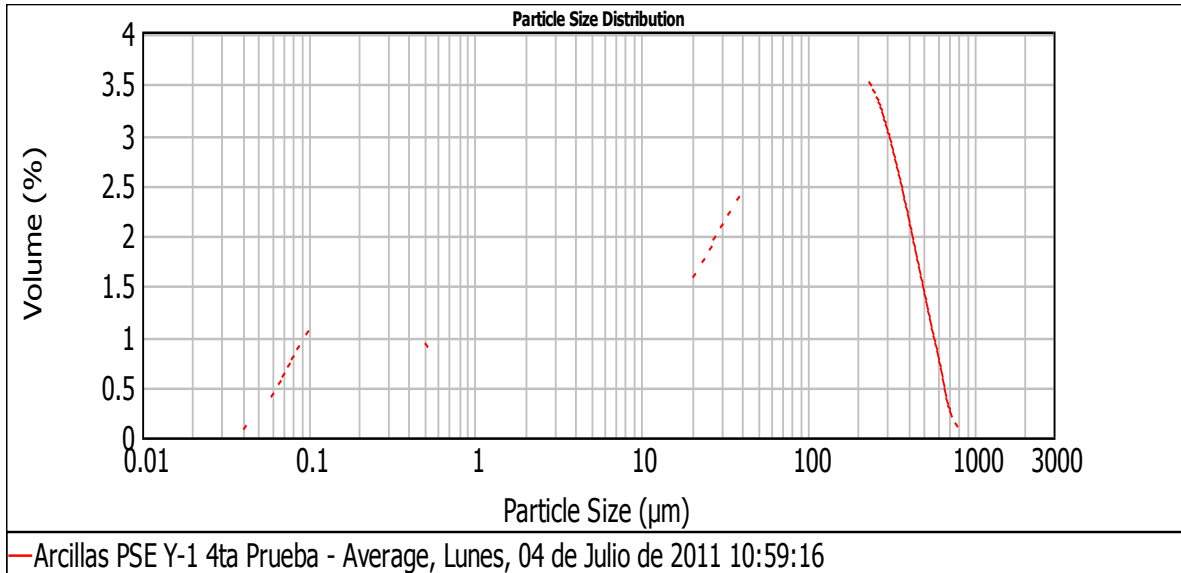
Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	2.97	1.096	0.71	11.482	0.99	120.226	0.23	1258.925	0.00
0.011	0.00	0.120	3.19	1.259	1.27	13.183	0.74	138.038	0.20	1445.440	0.00
0.013	0.00	0.138	3.31	1.445	1.89	15.136	0.55	158.489	0.20	1659.587	0.00
0.015	0.00	0.158	3.33	1.660	2.51	17.378	0.44	181.970	0.26	1905.461	0.00
0.017	0.00	0.182	3.24	1.905	3.06	19.953	0.38	208.930	0.37	2187.762	0.00
0.020	0.00	0.209	3.05	2.188	3.51	22.909	0.36	239.883	0.52	2511.886	0.00
0.023	0.00	0.240	2.77	2.512	3.82	26.303	0.36	275.423	0.67	2884.032	0.00
0.026	0.00	0.275	2.41	2.884	3.97	30.200	0.39	316.228	0.80	3311.311	0.00
0.030	0.00	0.316	1.98	3.311	3.98	34.674	0.42	363.078	0.84	3801.894	0.00
0.035	0.05	0.363	1.51	3.802	3.87	39.811	0.44	416.869	0.76	4365.158	0.00
0.040	0.37	0.417	1.04	4.365	3.65	45.709	0.47	478.630	0.61	5011.872	0.00
0.046	0.63	0.479	0.61	5.012	3.35	52.481	0.48	549.541	0.16	5754.399	0.00
0.052	0.95	0.550	0.25	5.754	2.97	60.256	0.47	630.957	0.00	6606.934	0.00
0.060	1.34	0.631	0.02	6.607	2.55	69.183	0.46	724.436	0.00	7585.776	0.00
0.069	1.83	0.724	0.00	7.586	2.11	79.433	0.42	831.764	0.00	8709.636	0.00
0.079	2.28	0.832	0.03	8.710	1.69	91.201	0.36	954.993	0.00	10000.000	0.00
0.091	2.67	0.955	0.27	10.000	1.31	104.713	0.29	1096.478	0.00		
0.105		1.096		11.482		120.226		1258.925			

MUESTRA X4



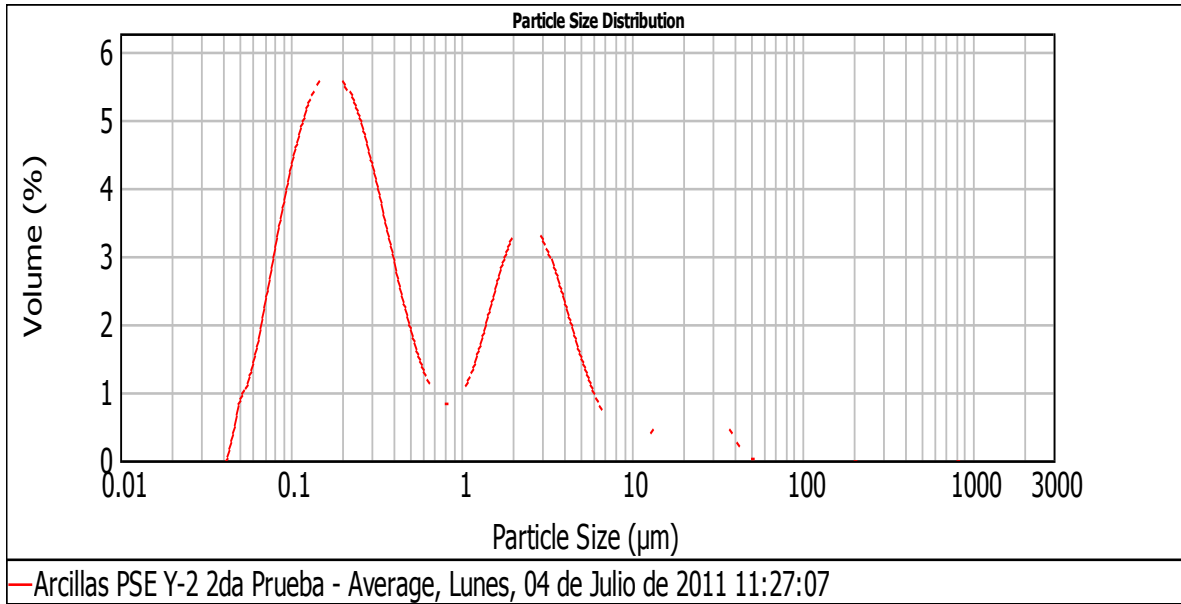
Size (μm)	Volume In %	Size (μm)	Volume In %	Size (μm)	Volume In %	Size (μm)	Volume In %	Size (μm)	Volume In %	Size (μm)	Volume In %
0.010	0.00	0.105	2.83	1.096	0.89	11.482	1.82	120.226	0.18	1258.925	0.00
0.011	0.00	0.120	3.11	1.259	1.00	13.183	1.73	138.038	0.14	1445.440	0.00
0.013	0.00	0.138	3.31	1.445	1.15	15.136	1.64	158.489	0.12	1659.587	0.00
0.015	0.00	0.158	3.44	1.660	1.33	17.378	1.56	181.970	0.12	1905.461	0.00
0.017	0.00	0.182	3.49	1.905	1.51	19.953	1.47	208.930	0.12	2187.762	0.00
0.020	0.00	0.209	3.46	2.188	1.69	22.909	1.38	239.883	0.14	2511.886	0.00
0.023	0.00	0.240	3.34	2.512	1.86	26.303	1.28	275.423	0.16	2884.032	0.00
0.026	0.00	0.275	3.15	2.884	2.00	30.200	1.17	316.228	0.16	3311.311	0.00
0.030	0.00	0.316	2.90	3.311	2.10	34.674	1.05	363.078	0.15	3801.894	0.00
0.035	0.04	0.363	2.59	3.802	2.18	39.811	0.92	416.869	0.10	4365.158	0.00
0.040	0.34	0.417	2.25	4.365	2.22	45.709	0.78	478.630	0.03	5011.872	0.00
0.046	0.57	0.479	1.90	5.012	2.23	52.481	0.66	549.541	0.00	5754.399	0.00
0.052	0.86	0.550	1.56	5.754	2.21	60.256	0.54	630.957	0.00	6606.934	0.00
0.060	1.22	0.631	1.27	6.607	2.16	69.183	0.44	724.436	0.00	7585.776	0.00
0.069	1.67	0.724	1.04	7.586	2.09	79.433	0.36	831.764	0.00	8709.636	0.00
0.079	2.11	0.832	0.90	8.710	2.01	91.201	0.29	954.993	0.00	10000.000	0.00
0.091	2.50	0.955	0.85	10.000	1.91	104.713	0.23	1096.478	0.00		
0.105		1.096		11.482		120.226		1258.925			

MUESTRA Y1



Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	1.08	1.096	0.51	11.482	1.04	120.226	3.16	1258.925	0.00
0.011	0.00	0.120	1.19	1.259	0.57	13.183	1.13	138.038	3.25	1445.440	0.00
0.013	0.00	0.138	1.28	1.445	0.65	15.136	1.24	158.489	3.30	1659.587	0.00
0.015	0.00	0.158	1.34	1.660	0.73	17.378	1.36	181.970	3.29	1905.461	0.00
0.017	0.00	0.182	1.37	1.905	0.80	19.953	1.50	208.930	3.22	2187.762	0.00
0.020	0.00	0.209	1.37	2.188	0.85	22.909	1.65	239.883	3.05	2511.886	0.00
0.023	0.00	0.240	1.33	2.512	0.88	26.303	1.81	275.423	2.79	2884.032	0.00
0.026	0.00	0.275	1.27	2.884	0.89	30.200	1.97	316.228	2.45	3311.311	0.00
0.030	0.00	0.316	1.18	3.311	0.88	34.674	2.11	363.078	2.06	3801.894	0.00
0.035	0.01	0.363	1.07	3.802	0.87	39.811	2.25	416.869	1.64	4365.158	0.00
0.040	0.13	0.417	0.95	4.365	0.86	45.709	2.38	478.630	1.20	5011.872	0.00
0.046	0.21	0.479	0.82	5.012	0.85	52.481	2.50	549.541	0.80	5754.399	0.00
0.052	0.33	0.550	0.70	5.754	0.85	60.256	2.60	630.957	0.35	6606.934	0.00
0.060	0.46	0.631	0.59	6.607	0.86	69.183	2.71	724.436	0.10	7585.776	0.00
0.069	0.63	0.724	0.51	7.586	0.88	79.433	2.82	831.764	0.00	8709.636	0.00
0.079	0.80	0.832	0.47	8.710	0.92	91.201	2.93	954.993	0.00	10000.000	0.00
0.091	0.95	0.955	0.47	10.000	0.97	104.713	3.05	1096.478	0.00		
0.105		1.096		11.482		120.226		1258.925			

MUESTRA Y2

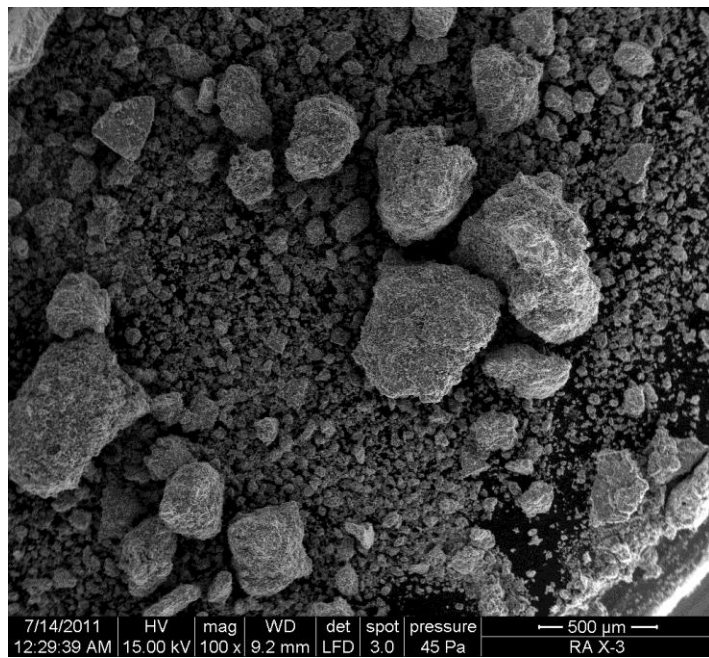


Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	4.33	1.096	1.25	11.482	0.33	120.226	0.00	1258.925	0.00
0.011	0.00	0.120	4.76	1.259	1.69	13.183	0.43	138.038	0.00	1445.440	0.00
0.013	0.00	0.138	5.03	1.445	2.19	15.136	0.54	158.489	0.00	1659.587	0.00
0.015	0.00	0.158	5.14	1.660	2.66	17.378	0.66	181.970	0.00	1905.461	0.00
0.017	0.00	0.182	5.07	1.905	3.00	19.953	0.75	208.930	0.00	2187.762	0.00
0.020	0.00	0.209	4.84	2.188	3.17	22.909	0.79	239.883	0.00	2511.886	0.00
0.023	0.00	0.240	4.45	2.512	3.12	26.303	0.75	275.423	0.00	2884.032	0.00
0.026	0.00	0.275	3.95	2.884	2.87	30.200	0.62	316.228	0.00	3311.311	0.00
0.030	0.00	0.316	3.38	3.311	2.49	34.674	0.42	363.078	0.00	3801.894	0.00
0.035	0.00	0.363	2.79	3.802	2.04	39.811	0.19	416.869	0.00	4365.158	0.00
0.040	0.02	0.417	2.20	4.365	1.58	45.709	0.05	478.630	0.00	5011.872	0.00
0.046	0.65	0.479	1.68	5.012	1.16	52.481	0.00	549.541	0.00	5754.399	0.00
0.052	1.09	0.550	1.25	5.754	0.81	60.256	0.00	630.957	0.00	6606.934	0.00
0.060	1.63	0.631	0.94	6.607	0.55	69.183	0.00	724.436	0.00	7585.776	0.00
0.069	2.37	0.724	0.78	7.586	0.38	79.433	0.00	831.764	0.00	8709.636	0.00
0.079	3.10	0.832	0.77	8.710	0.29	91.201	0.00	954.993	0.00	10000.000	0.00
0.091	3.77	0.955	0.93	10.000	0.28	104.713	0.00	1096.478	0.00		
0.105		1.096		11.482		120.226		1258.925			

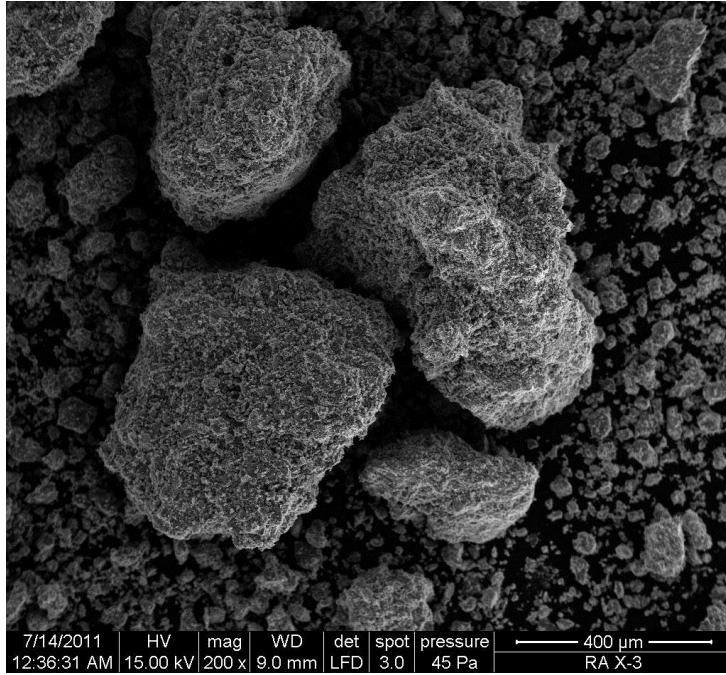
APÉNDICE B

MICROGRAFÍAS DE LAS MUESTRAS DE ARCILLAS DE LA PSE

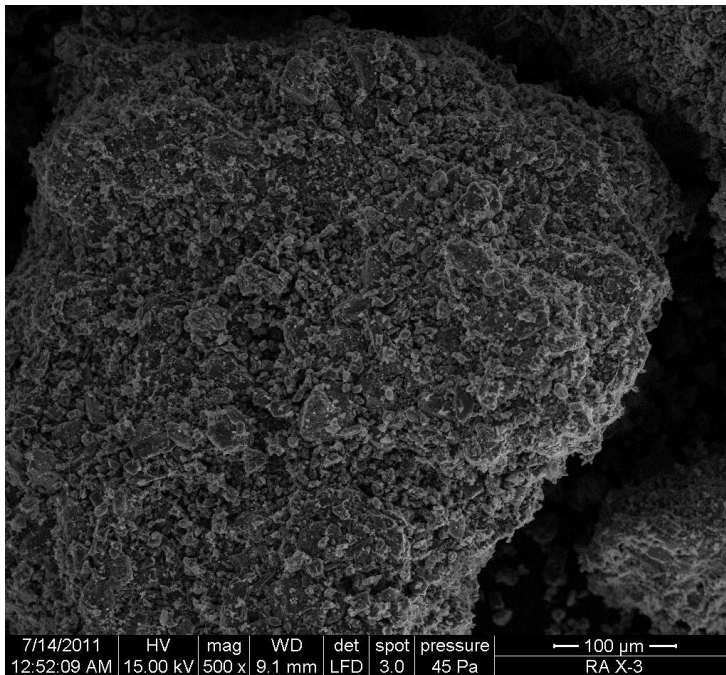
MUESTRA B1



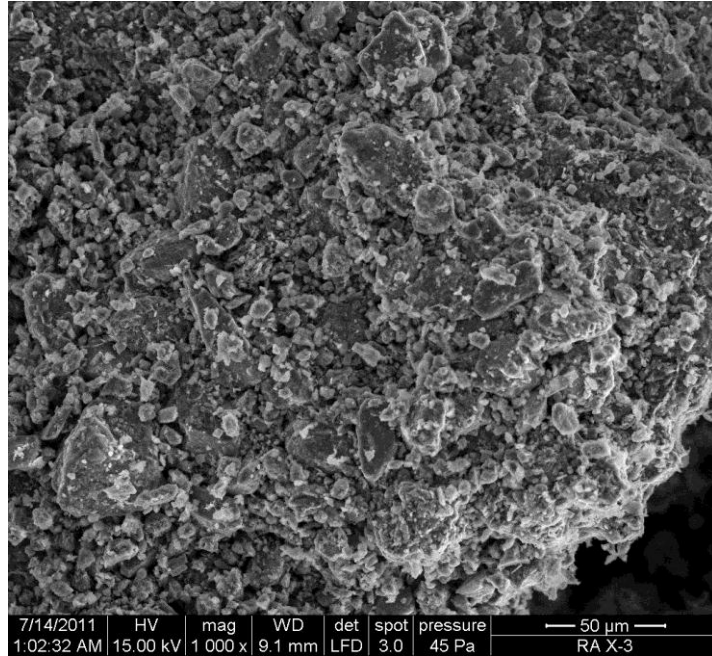
MAGNIFICACIÓN 100X



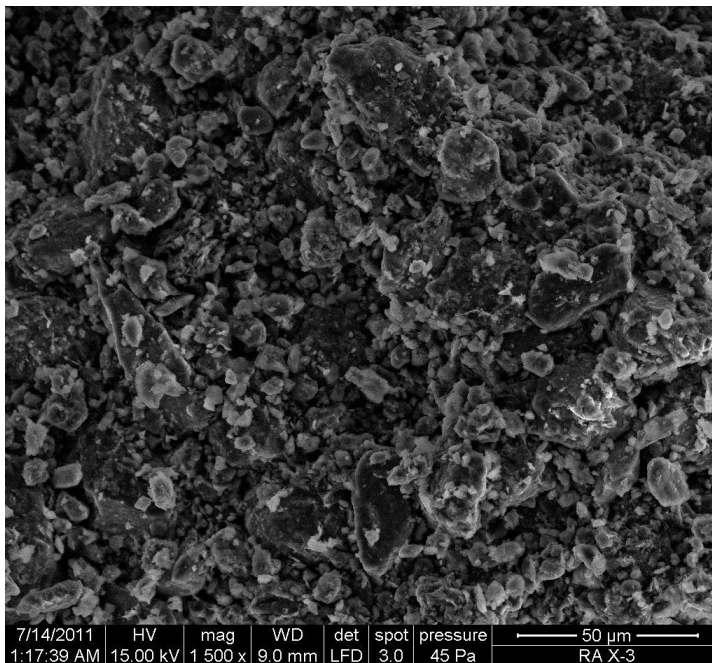
MAGNIFICACIÓN 200X



MAGNIFICACIÓN 500X

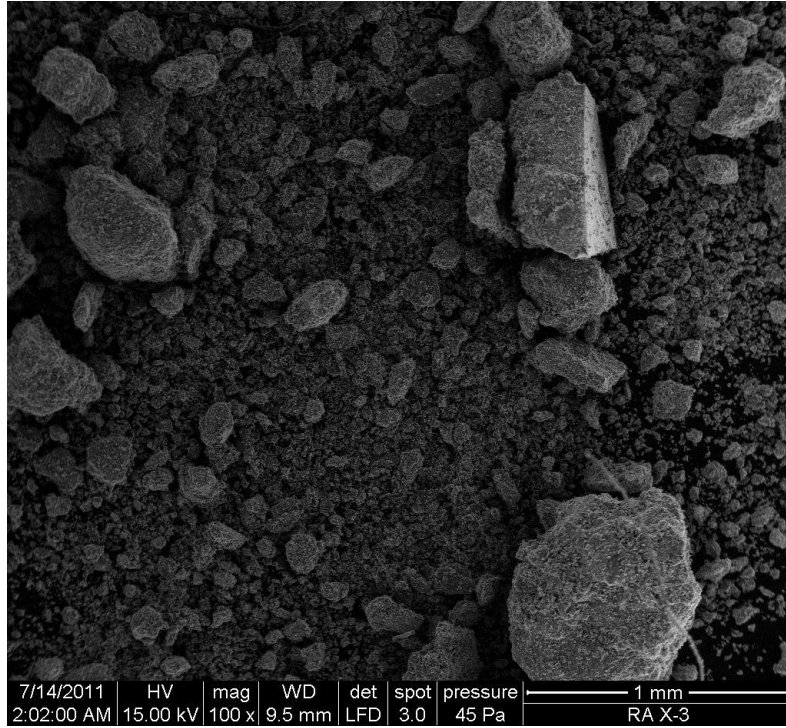


MAGNIFICACIÓN 1000X

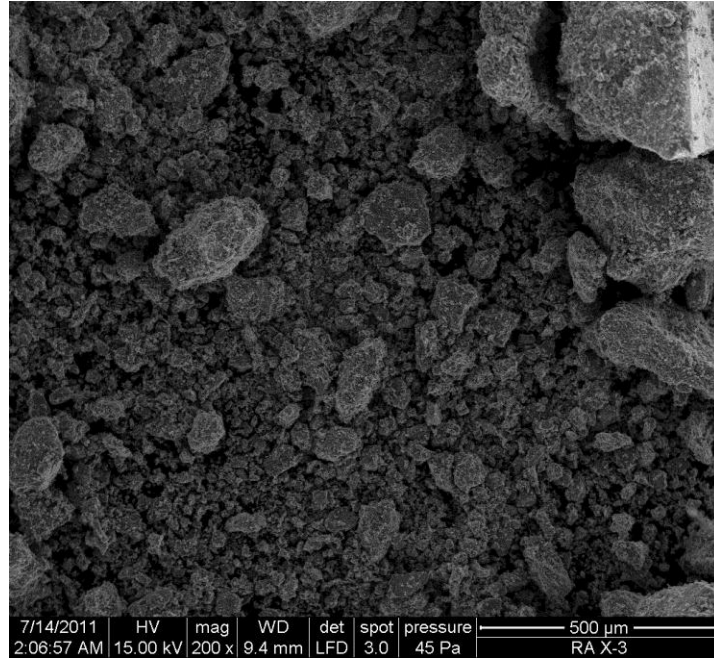


MAGNIFICACIÓN 1500X

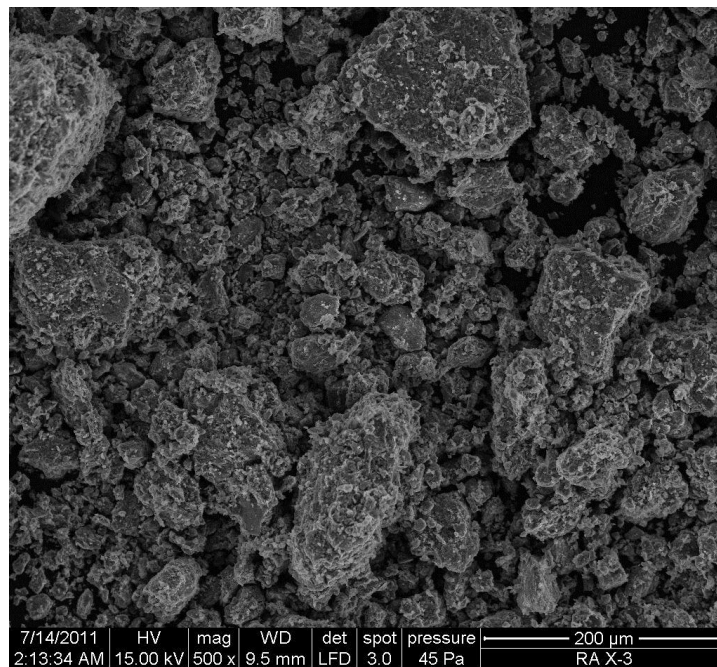
MUESTRA B2



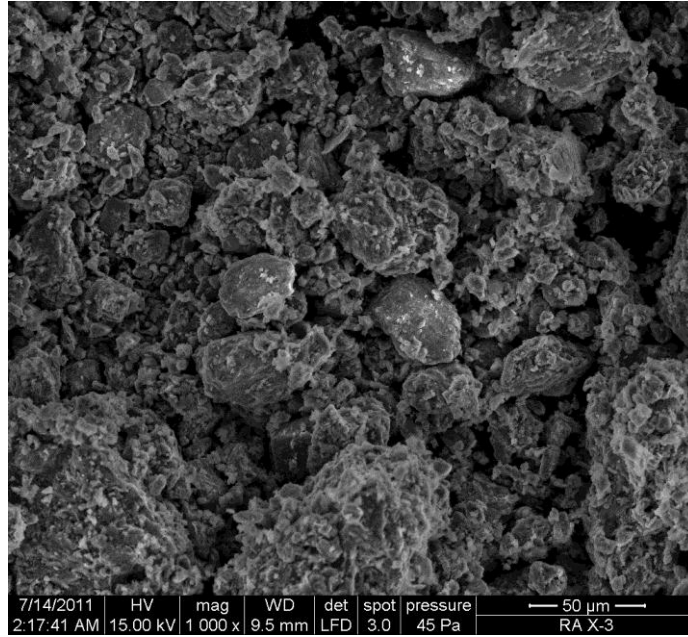
MAGNIFICACIÓN 100X



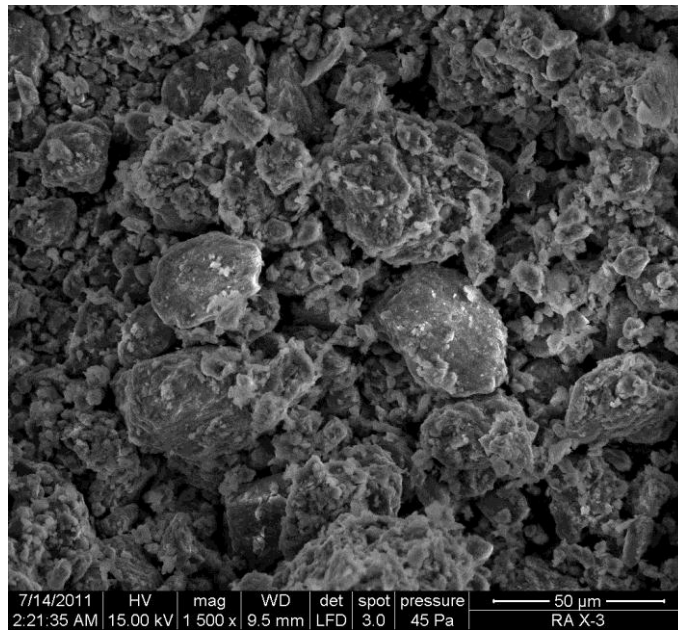
MAGNIFICACIÓN 200X



MAGNIFICACIÓN 500X

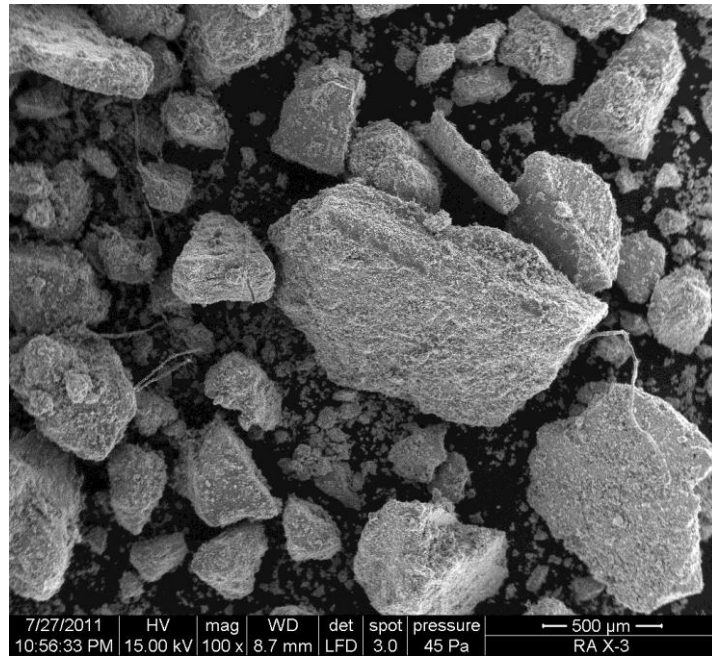


MAGNIFICACIÓN 1000X

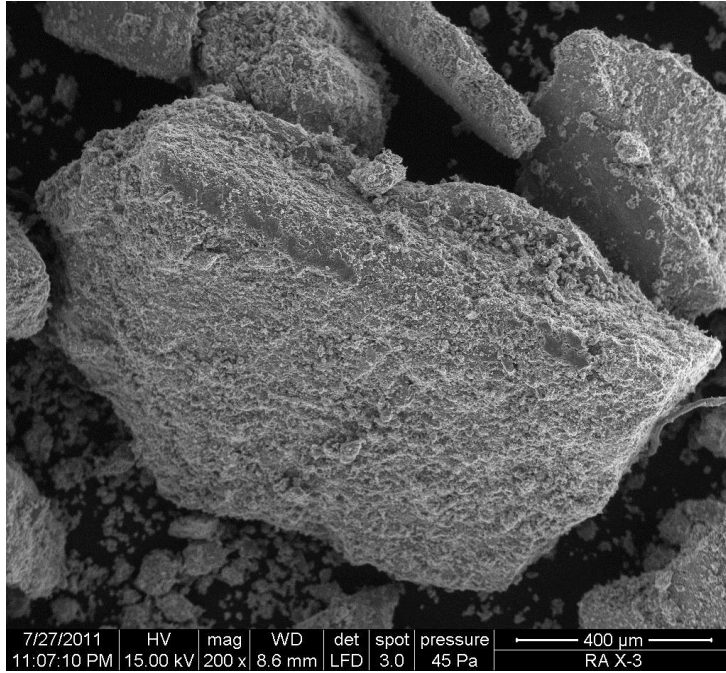


MAGNIFICACIÓN 1500X

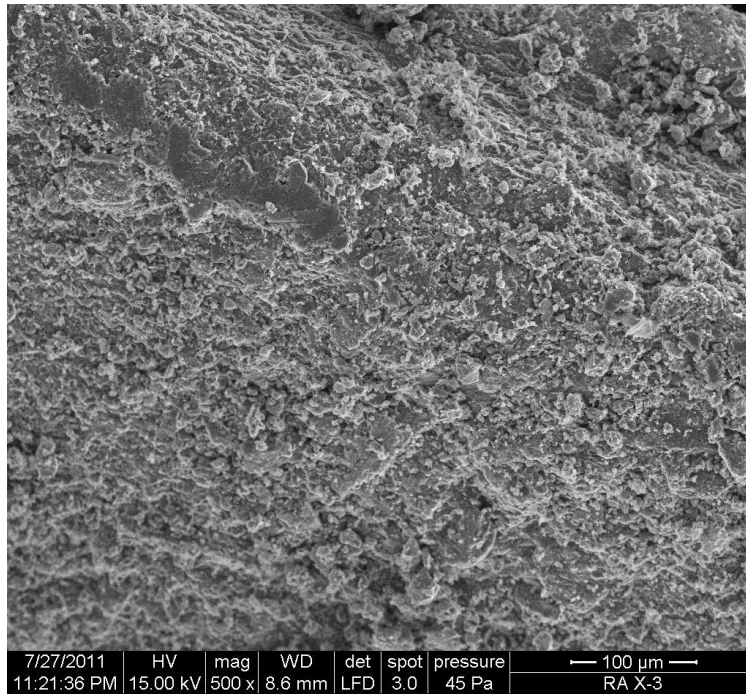
MUESTRA B3



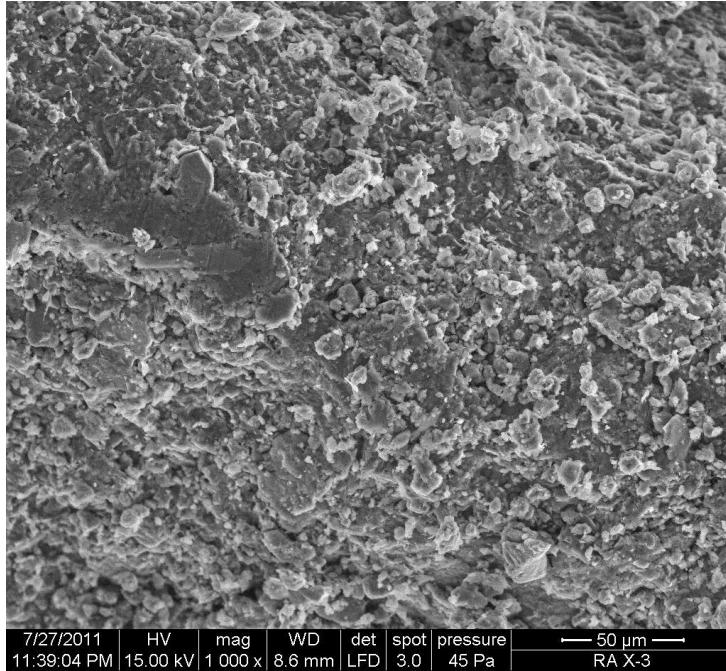
MAGNIFICACIÓN 100X



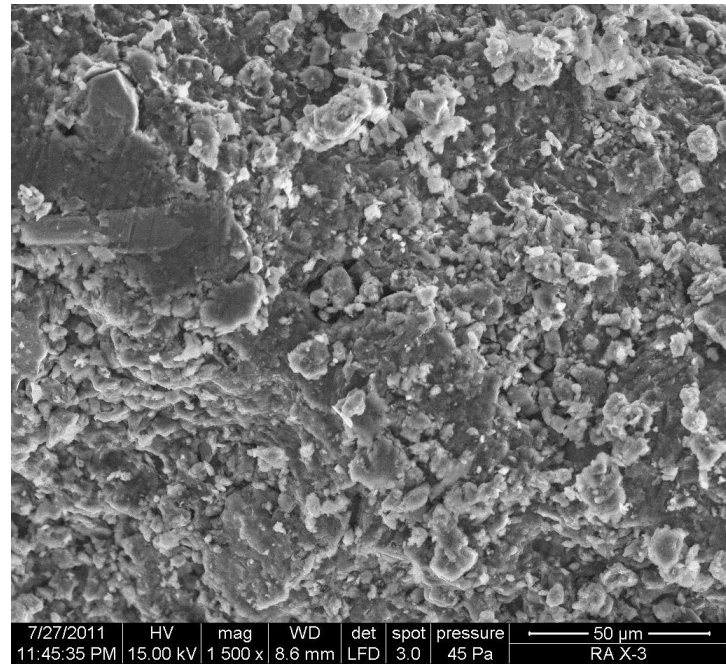
MAGNIFICACIÓN 200X



MAGNIFICACIÓN 500X

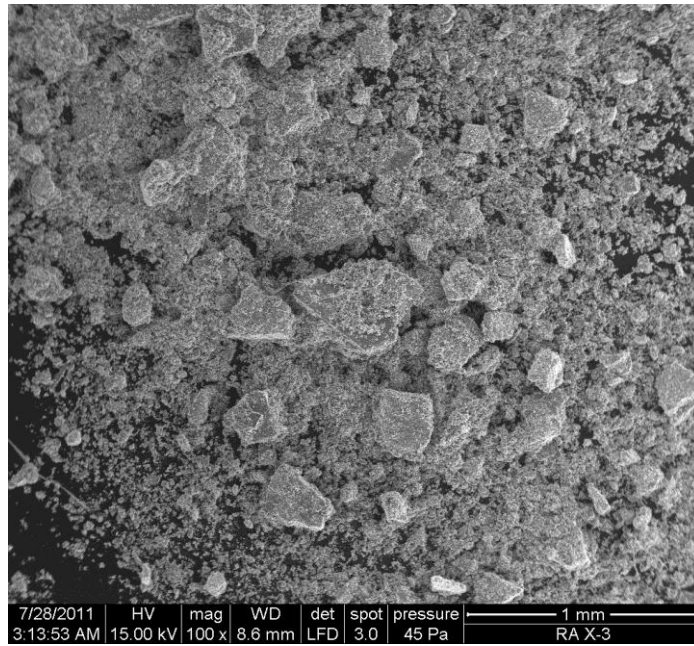


MAGNIFICACIÓN 1000X

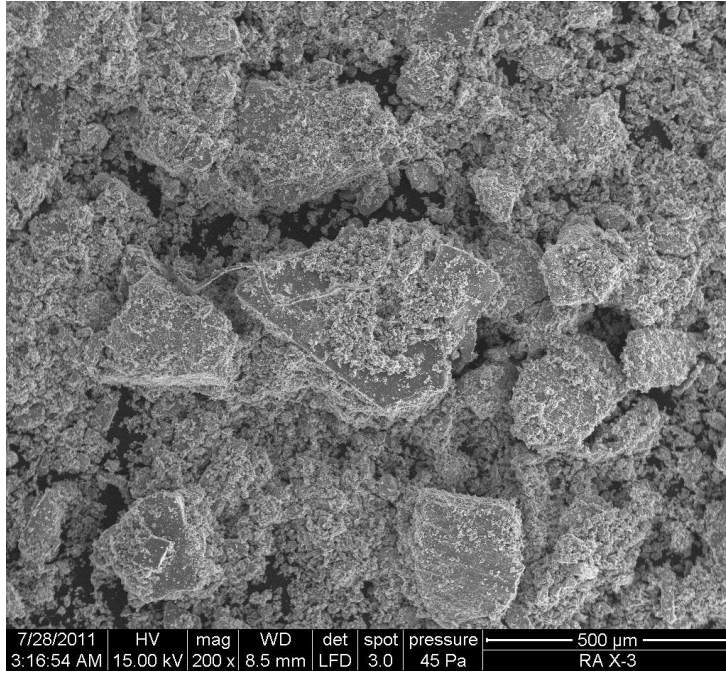


MAGNIFICACIÓN 1500X

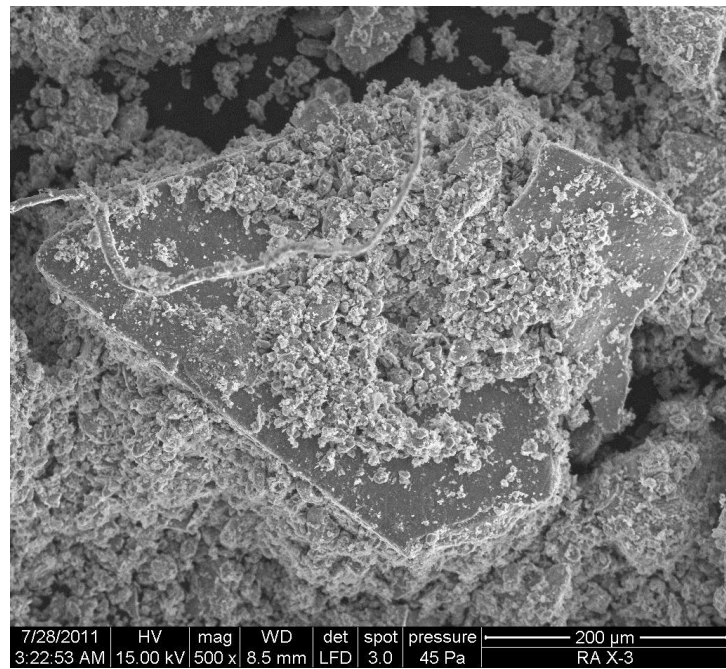
MUESTRA B4



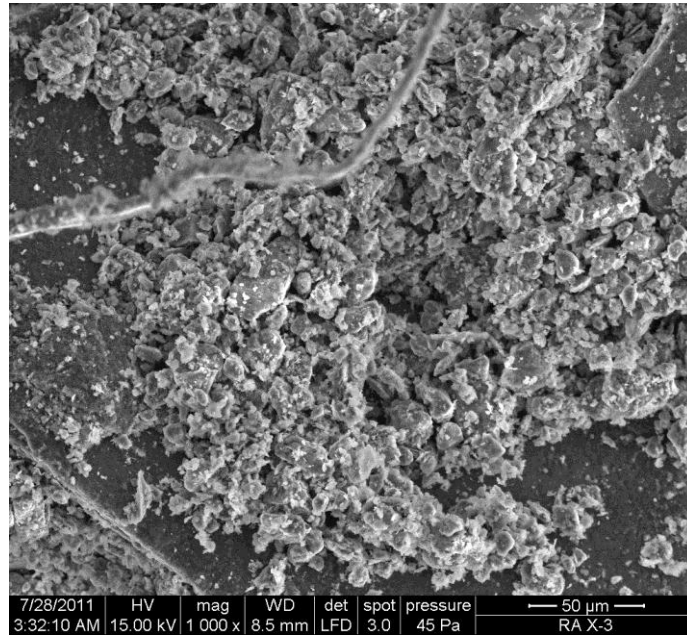
MAGNIFICACIÓN 100X



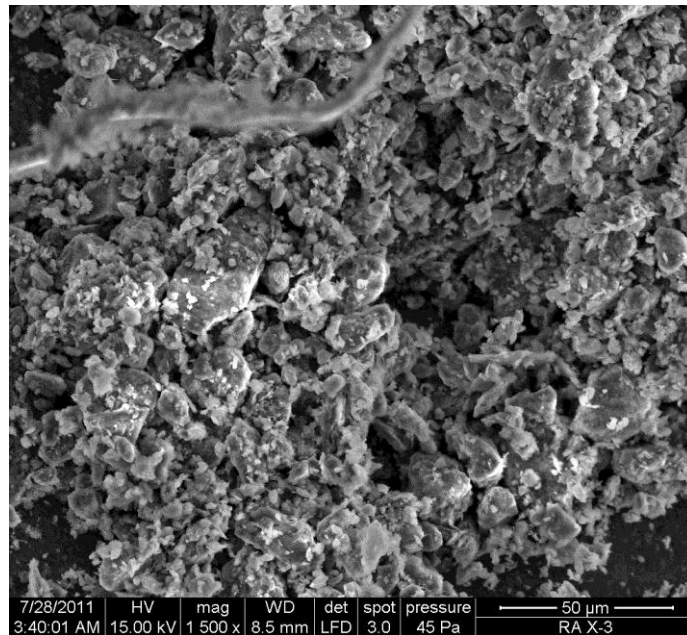
MAGNIFICACIÓN 200X



MAGNIFICACIÓN 500X

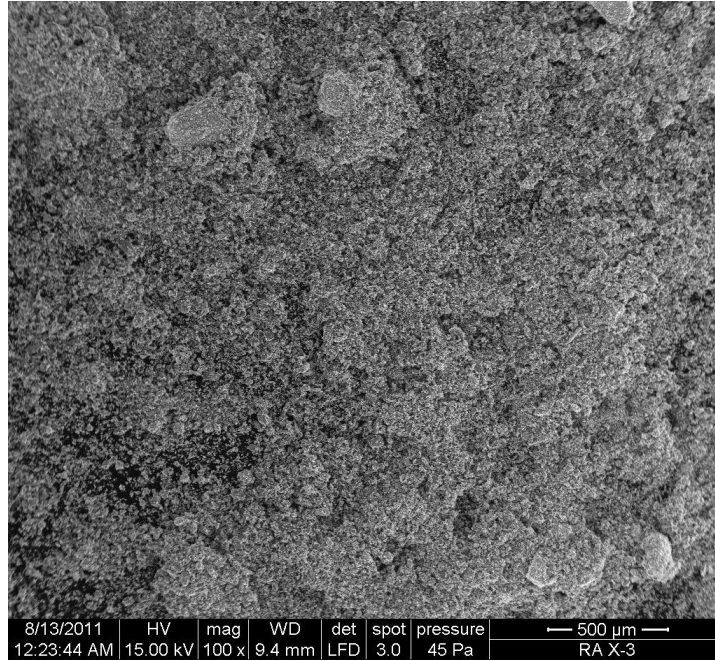


MAGNIFICACIÓN 1000X

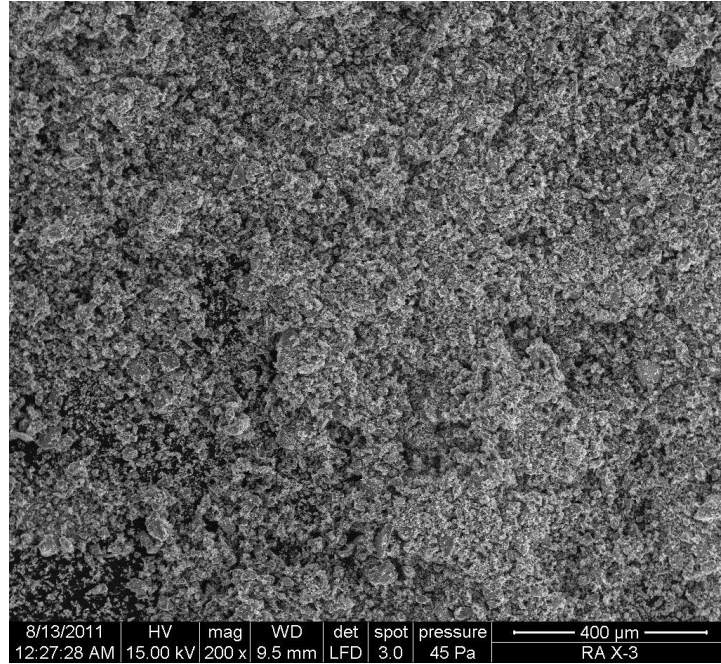


MAGNIFICACIÓN 1500X

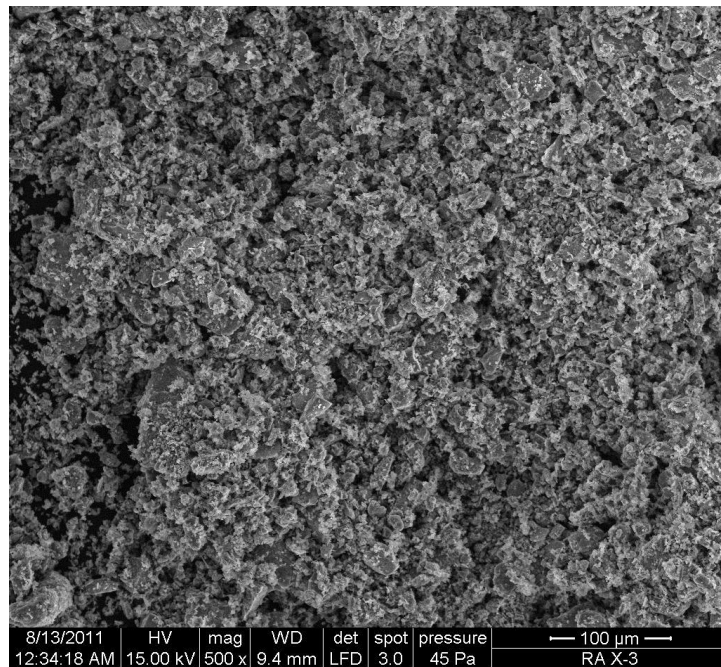
MUESTRA B5



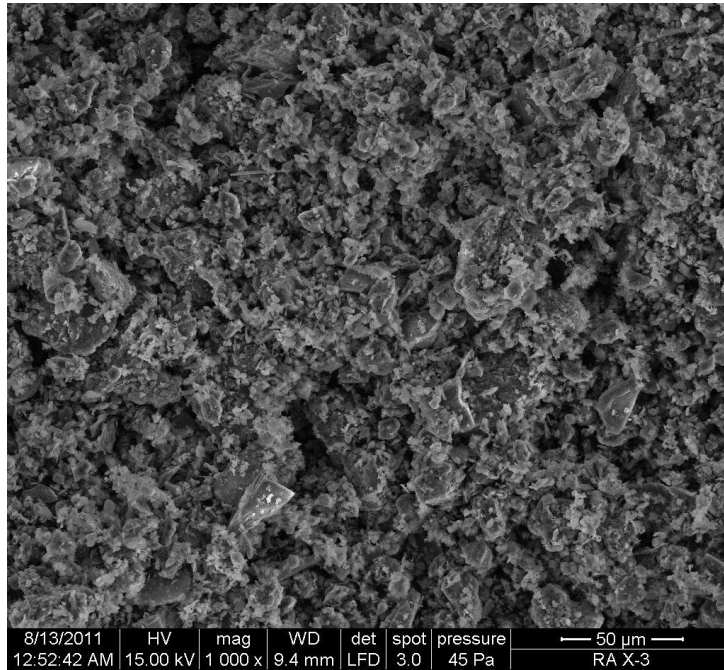
MAGNIFICACIÓN 100X



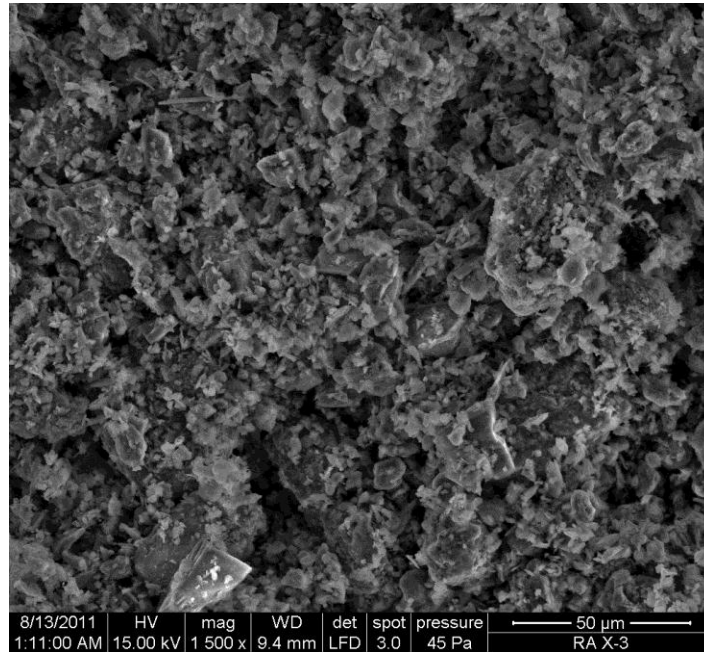
MAGNIFICACIÓN 200X



MAGNIFICACIÓN 500X

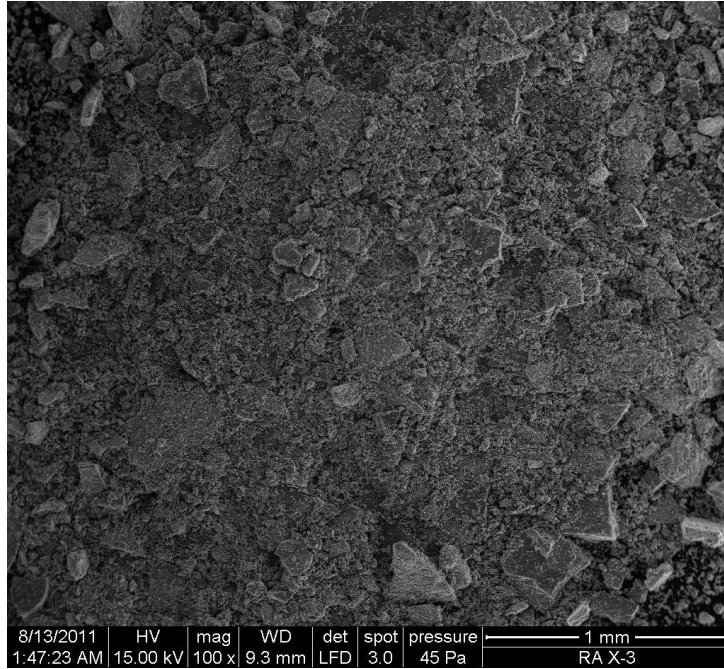


MAGNIFICACIÓN 1000X

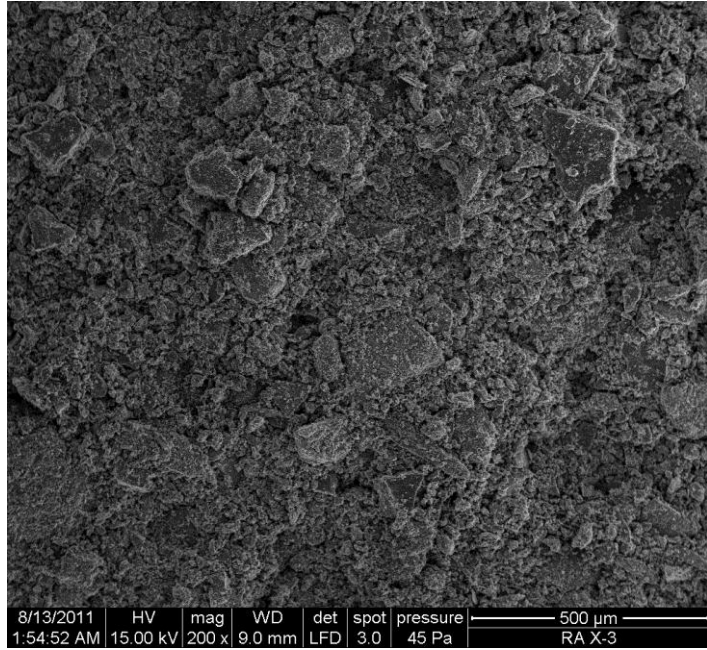


MAGNIFICACIÓN 1500X

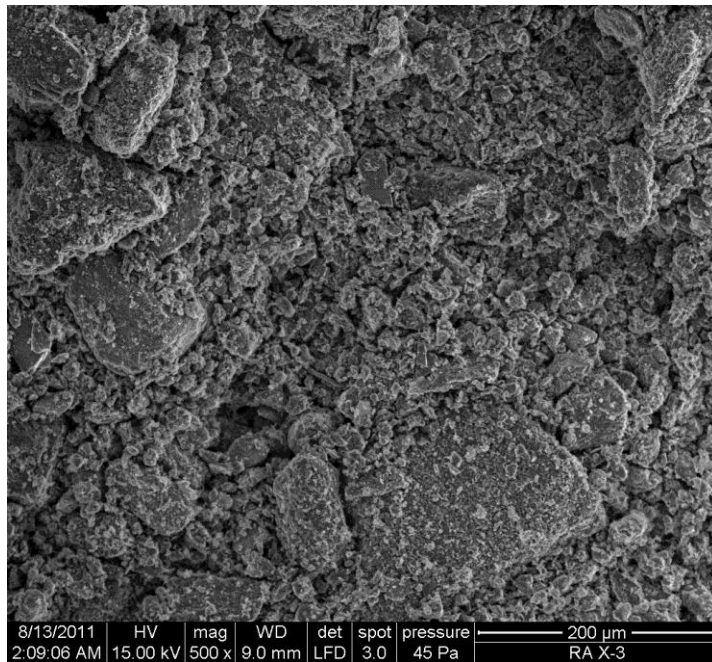
MUESTRA B6



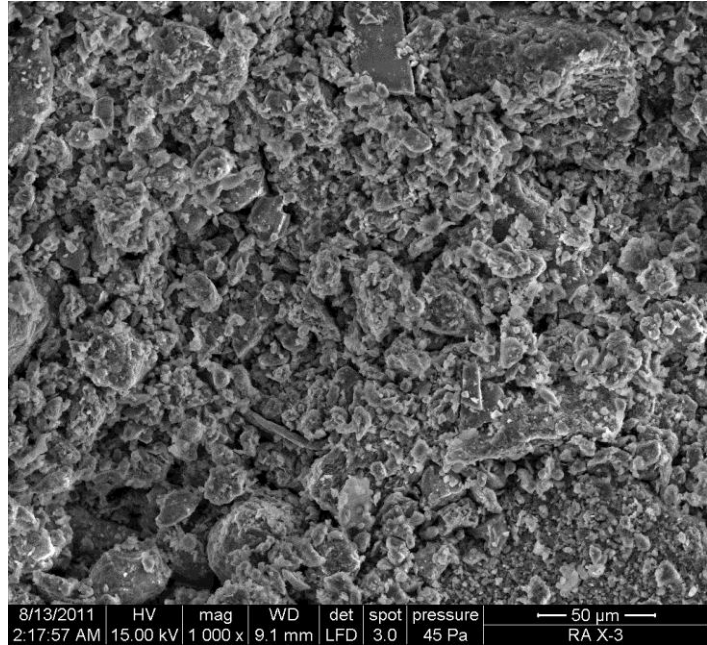
MAGNIFICACIÓN 100X



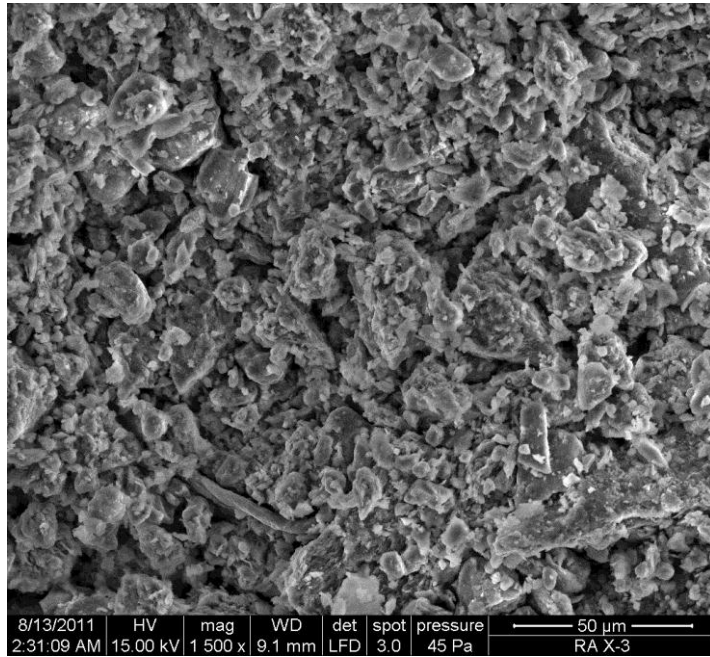
MAGNIFICACIÓN 200X



MAGNIFICACIÓN 500X

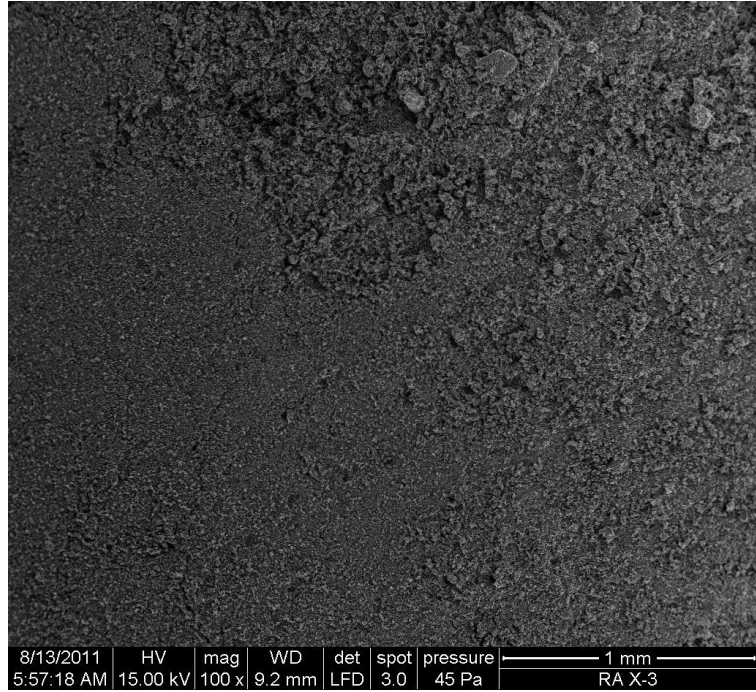


MAGNIFICACIÓN 1000X

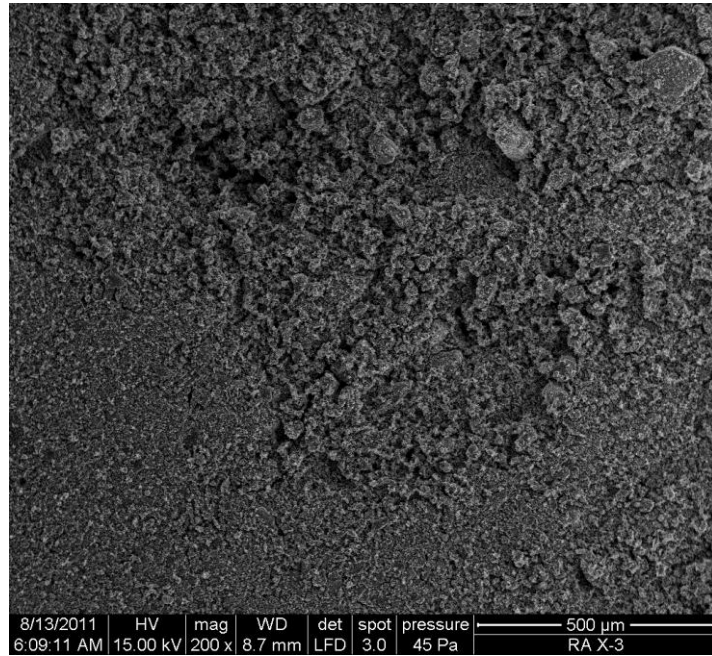


MAGNIFICACIÓN 1500X

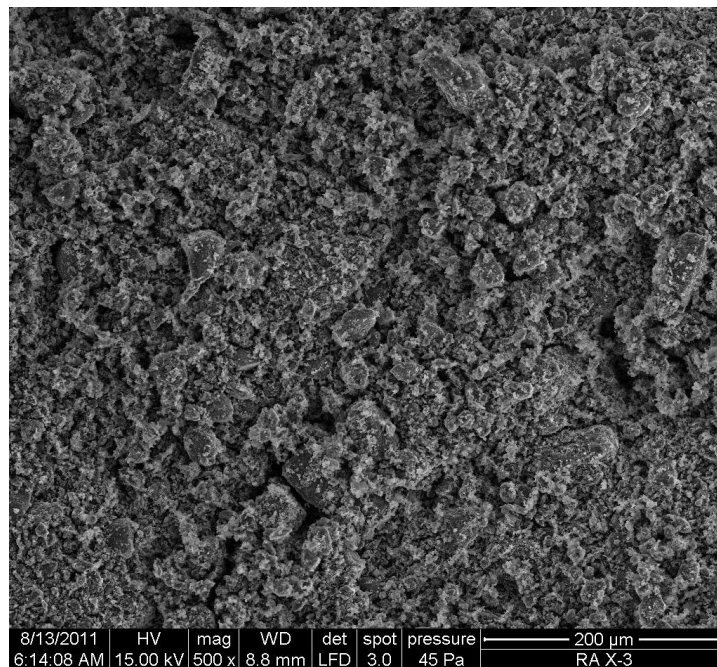
MUESTRA B7



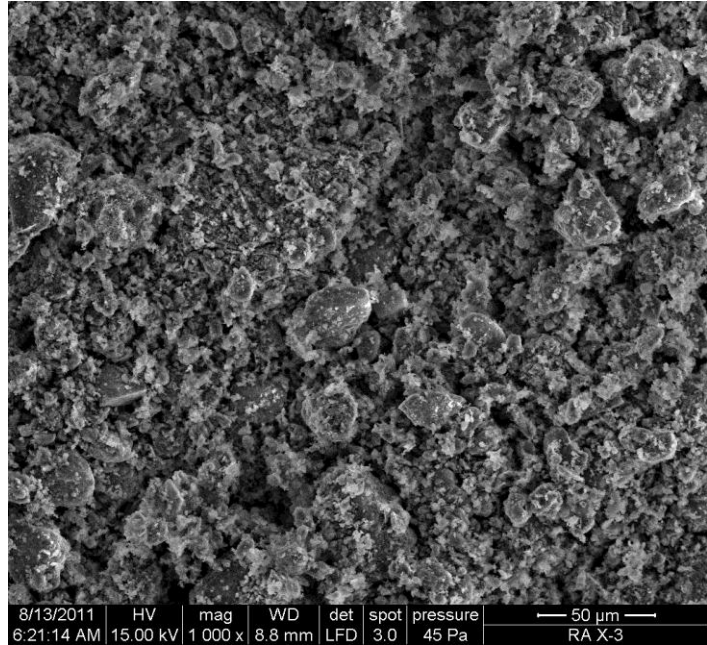
MAGNIFICACIÓN 100X



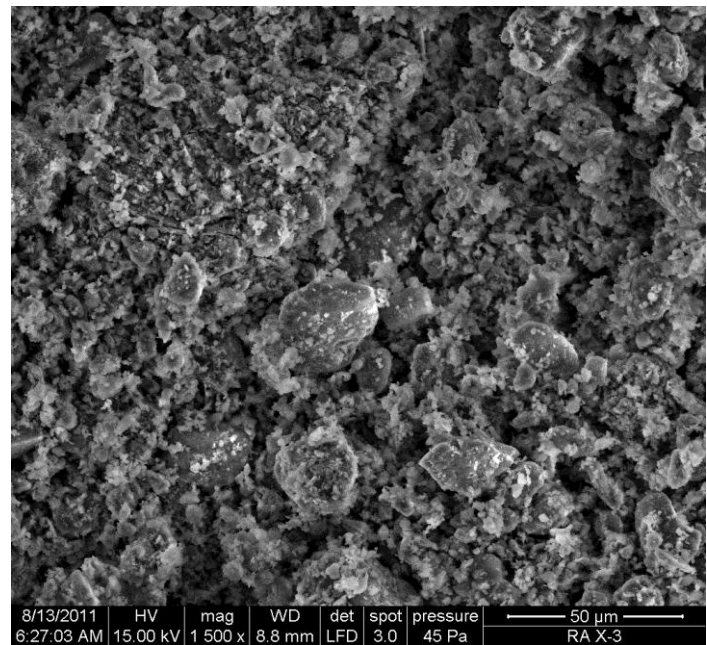
MAGNIFICACIÓN 200X



MAGNIFICACIÓN 500X

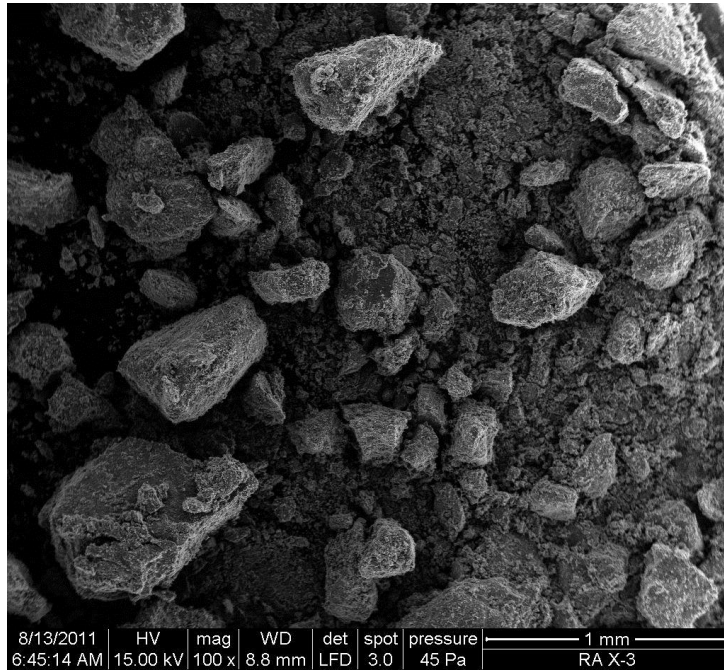


MAGNIFICACIÓN 1000X

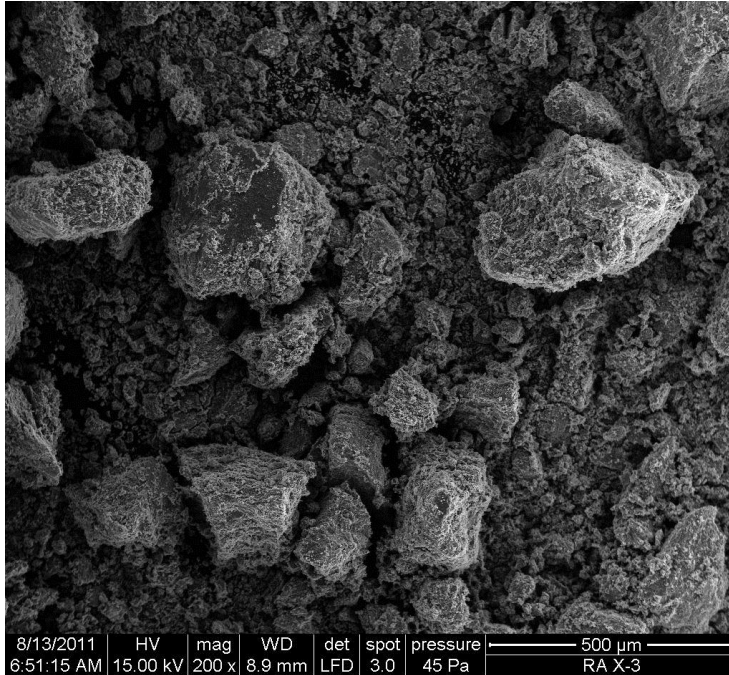


MAGNIFICACIÓN 1500X

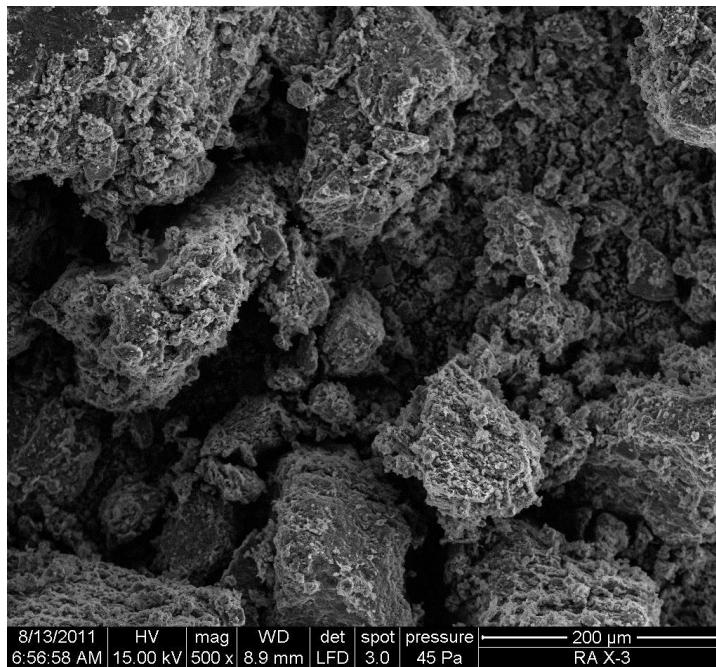
MUESTRA B8



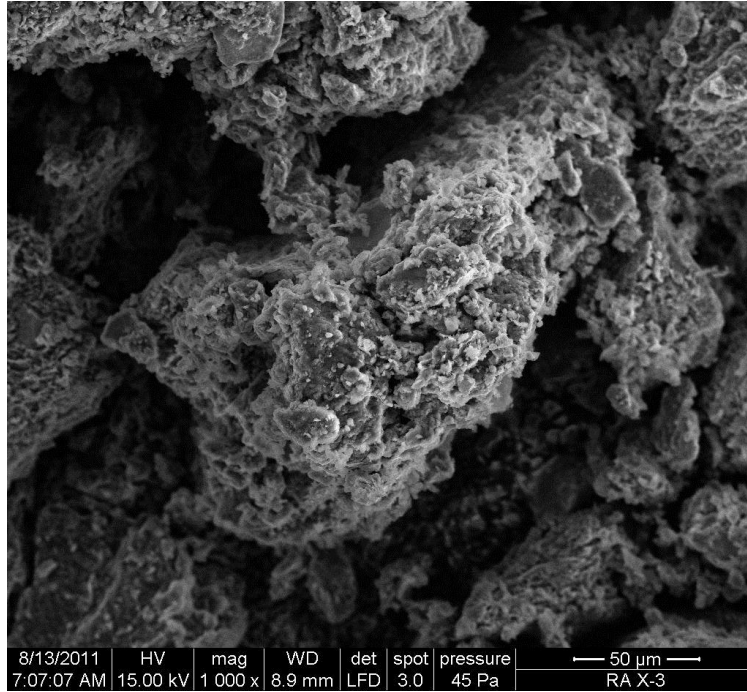
MAGNIFICACIÓN 100X



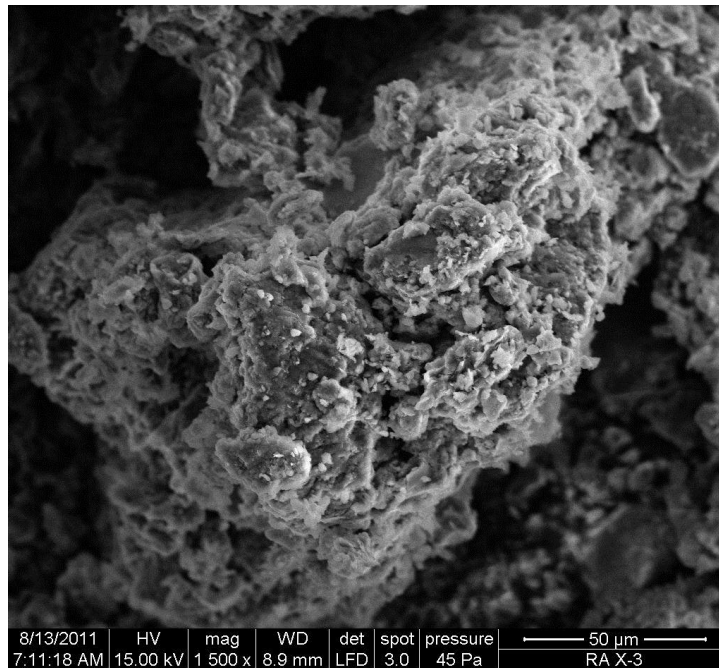
MAGNIFICACIÓN 200X



MAGNIFICACIÓN 500X

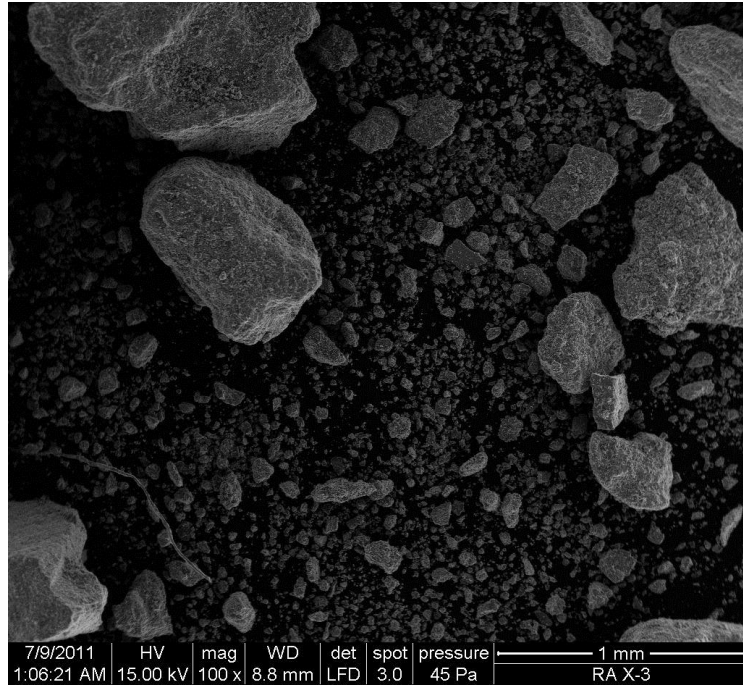


MAGNIFICACIÓN 1000X

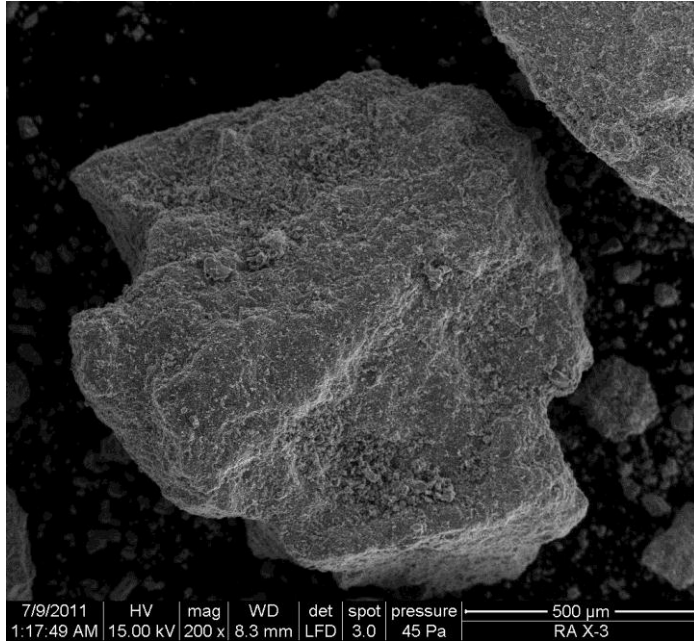


MAGNIFICACIÓN 1500X

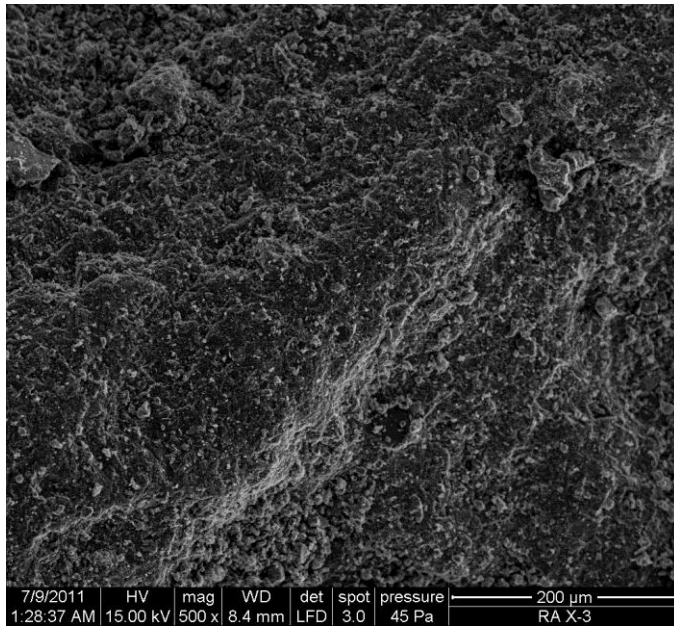
MUESTRA X1



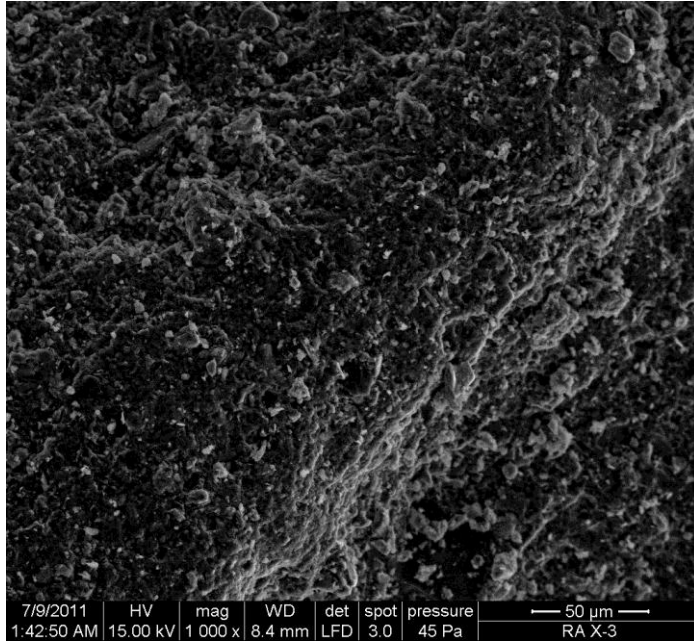
MAGNIFICACIÓN 100X



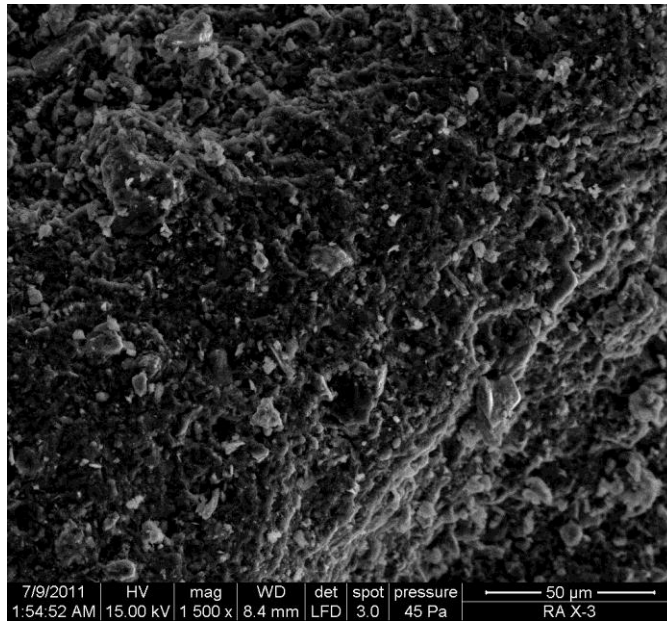
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MAGNIFICACIÓN 500X

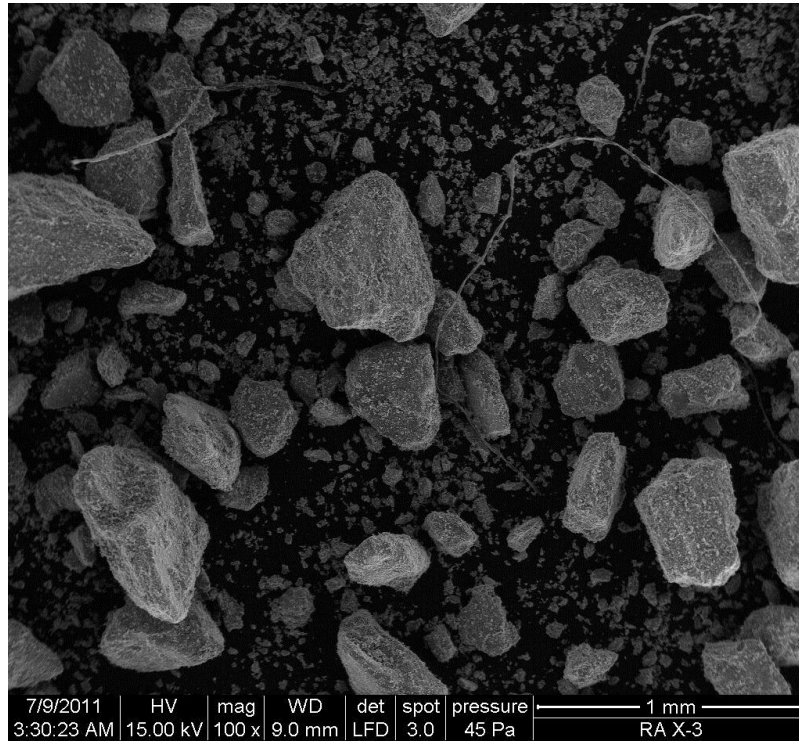


MAGNIFICACIÓN 1000X

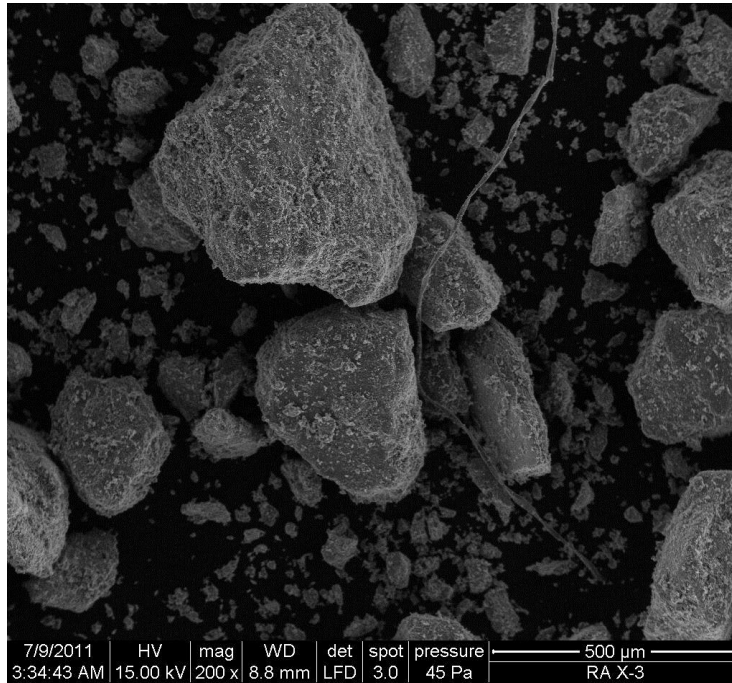


MAGNIFICACIÓN 1500X

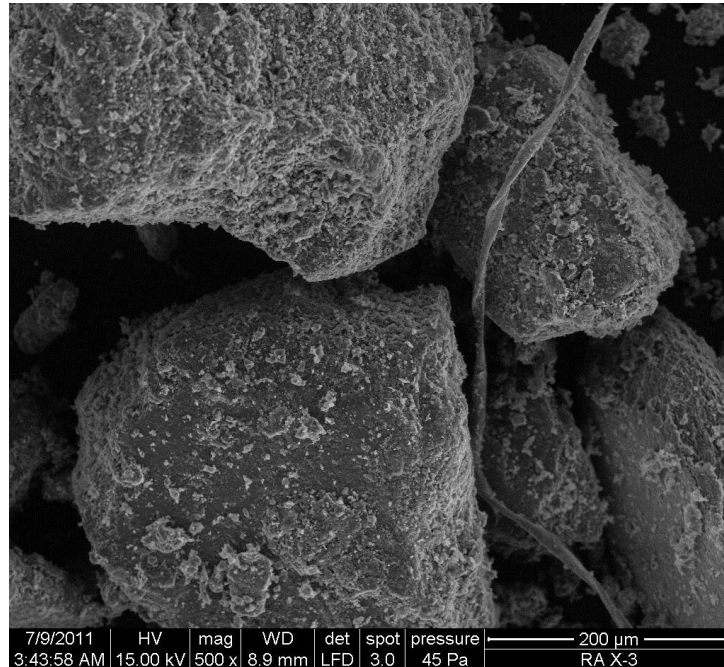
MUESTRA X2



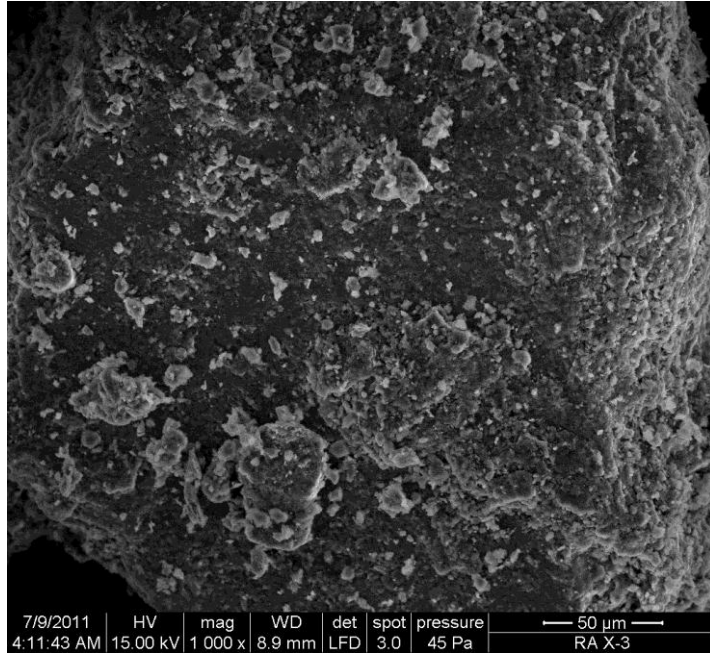
MAGNIFICACIÓN 100X



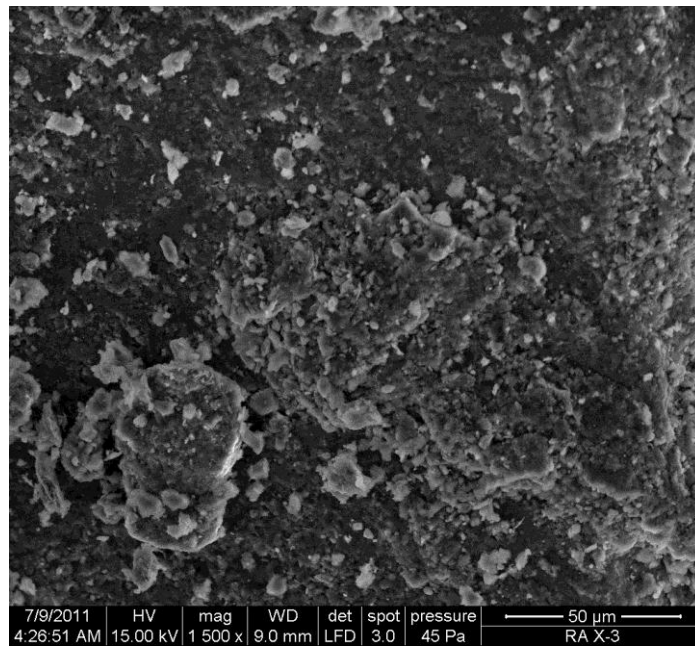
MAGNIFICACIÓN 200X



MAGNIFICACIÓN 500X

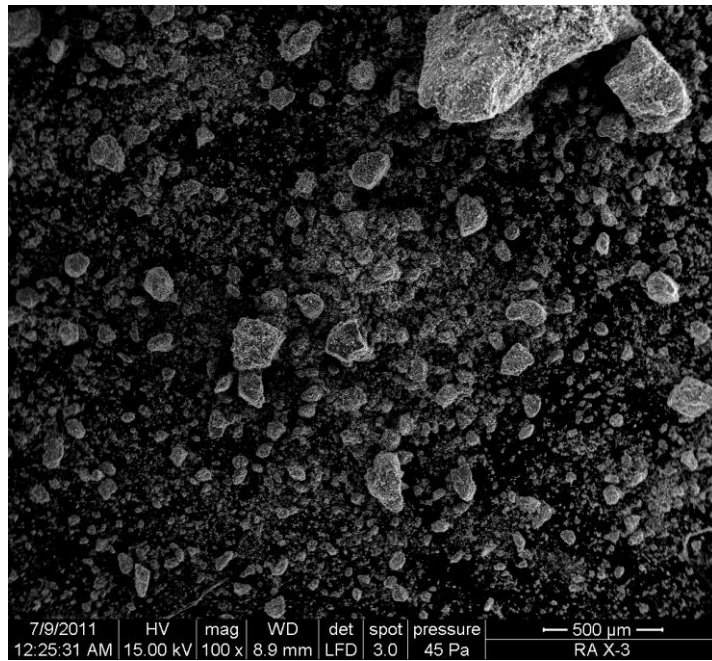


MAGNIFICACIÓN 1000X

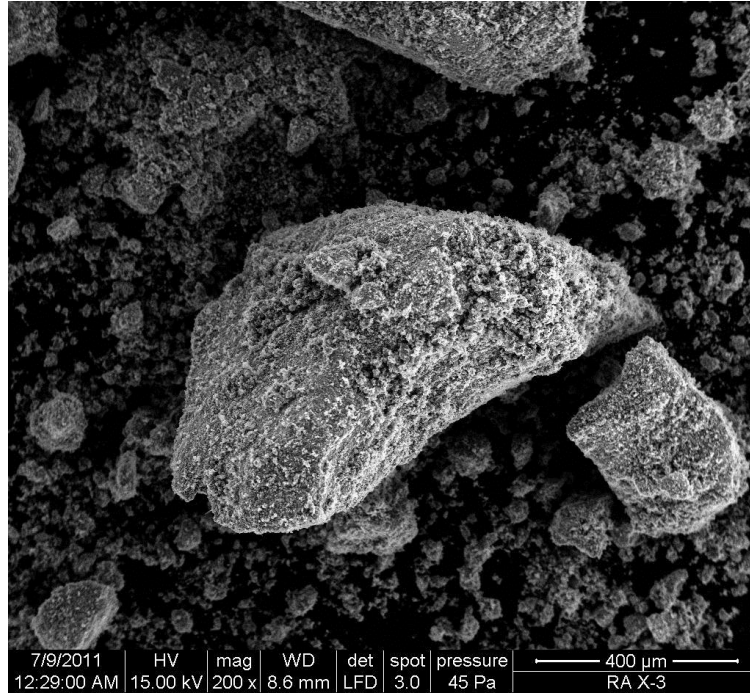


MAGNIFICACIÓN 1500X

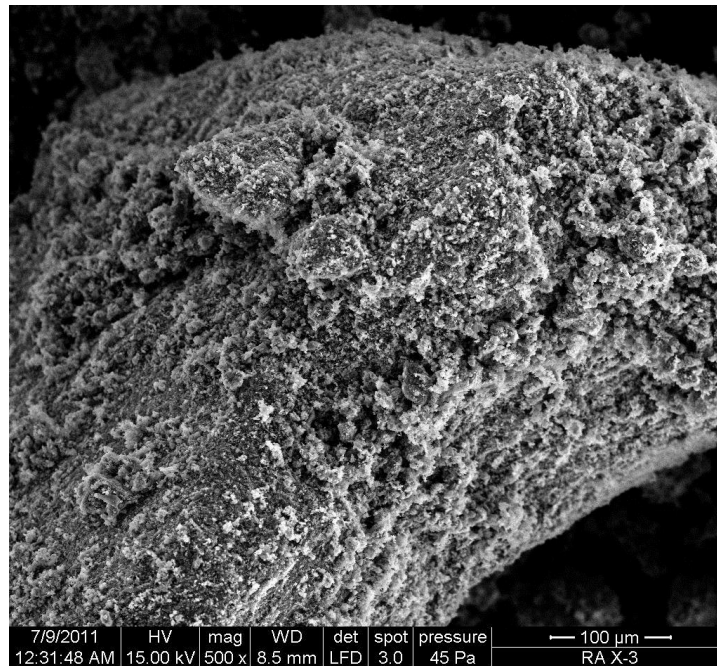
MUESTRA X3



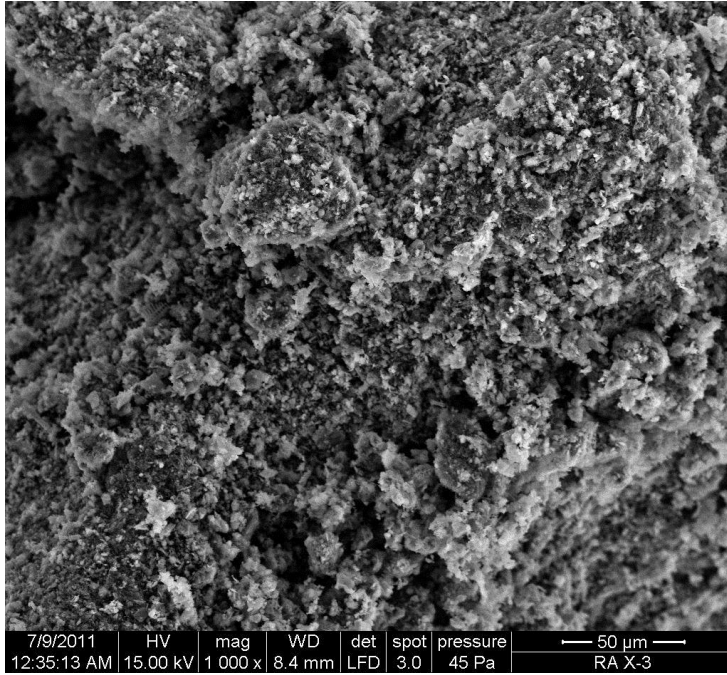
MAGNIFICACIÓN 100X



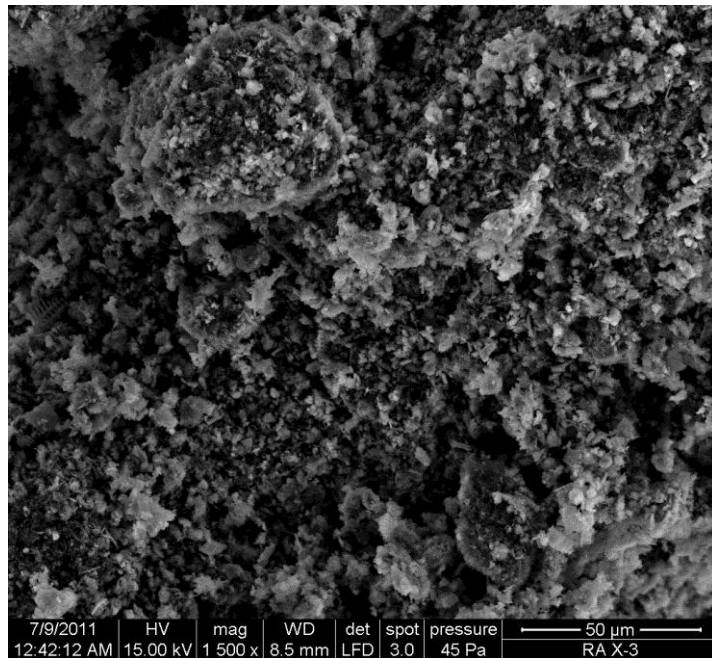
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MAGNIFICACIÓN 500X

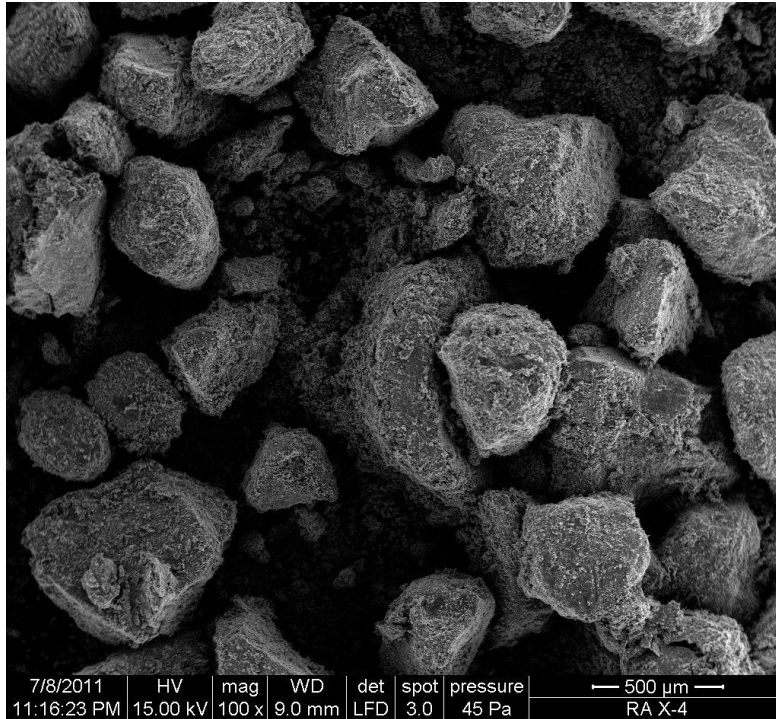


MAGNIFICACIÓN 1000X

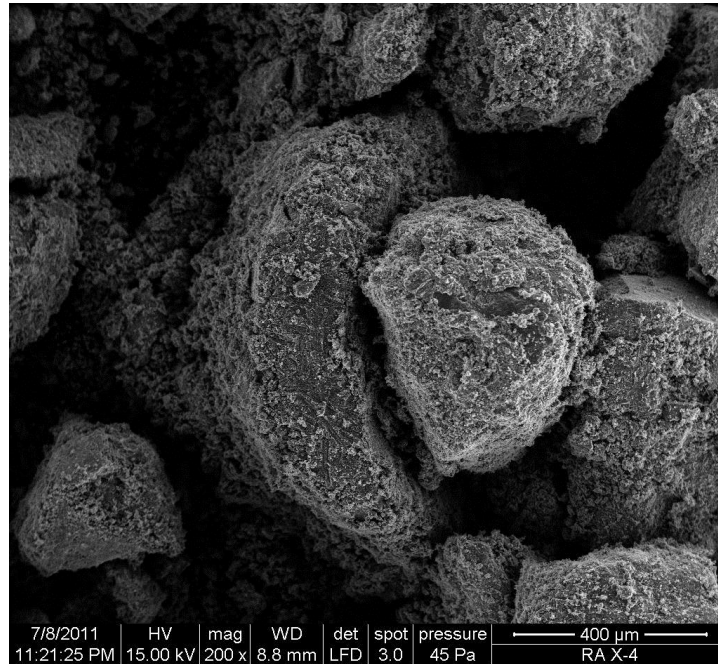


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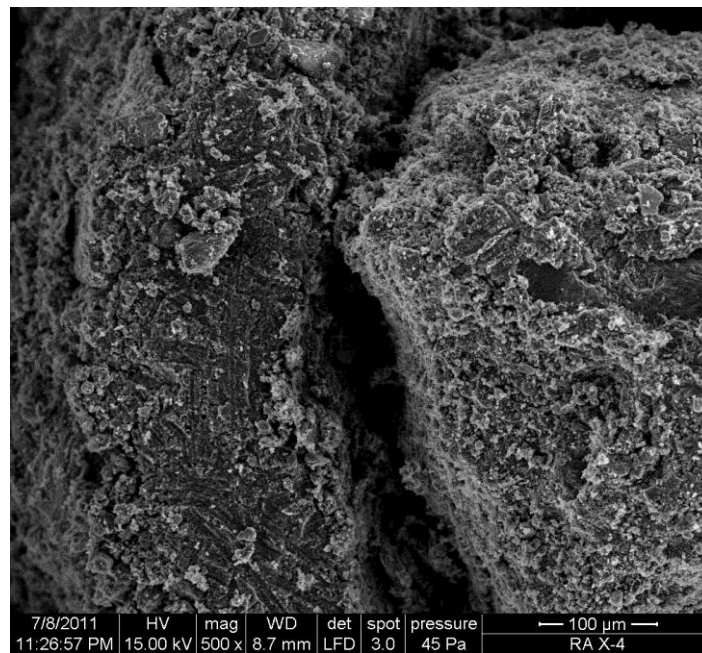
MUESTRA X4



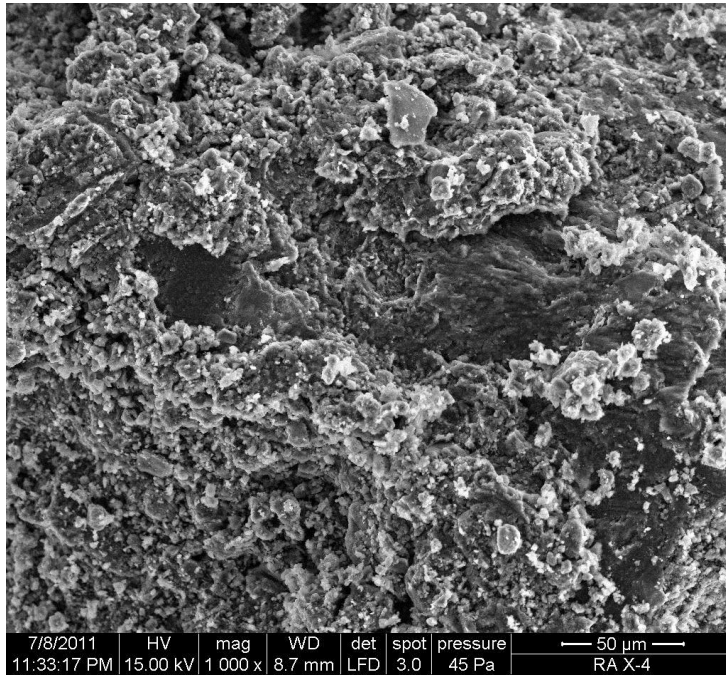
MAGNIFICACIÓN 100X



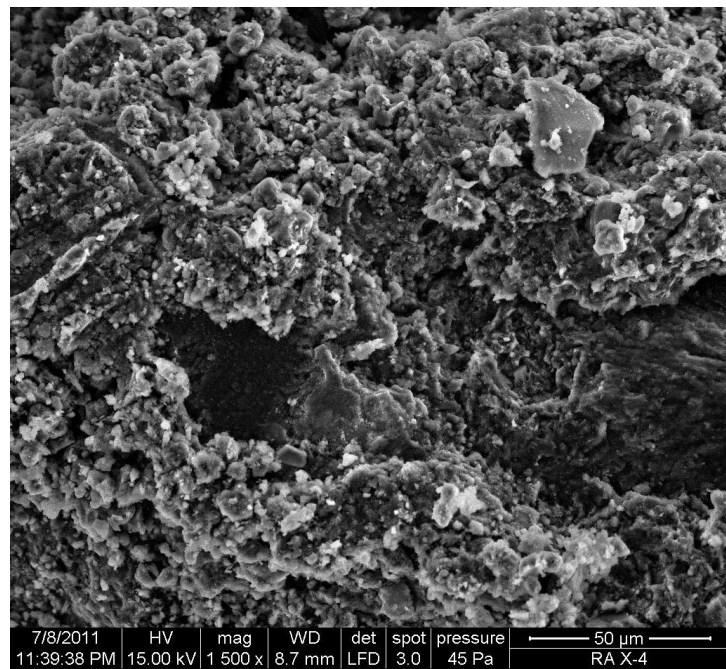
MAGNIFICACIÓN 200X



MAGNIFICACIÓN 500X

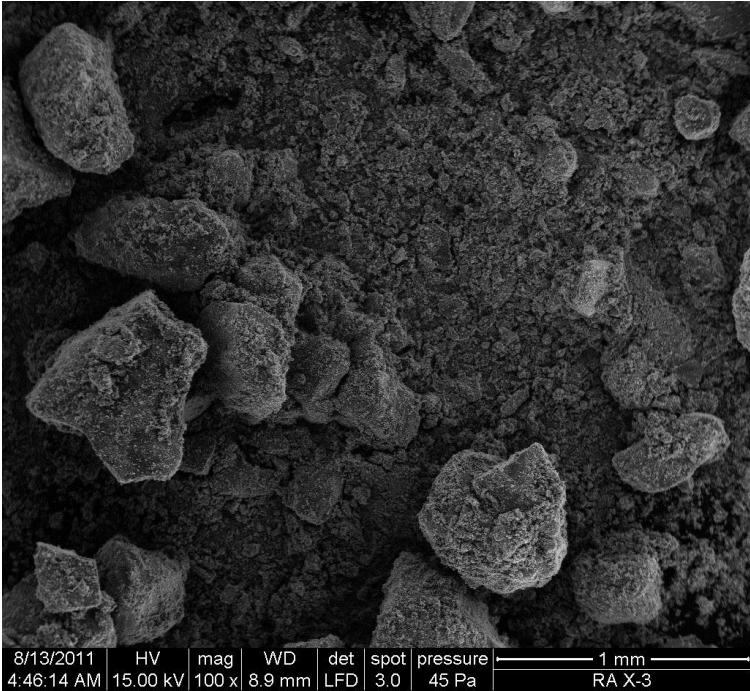


MAGNIFICACIÓN 1000X

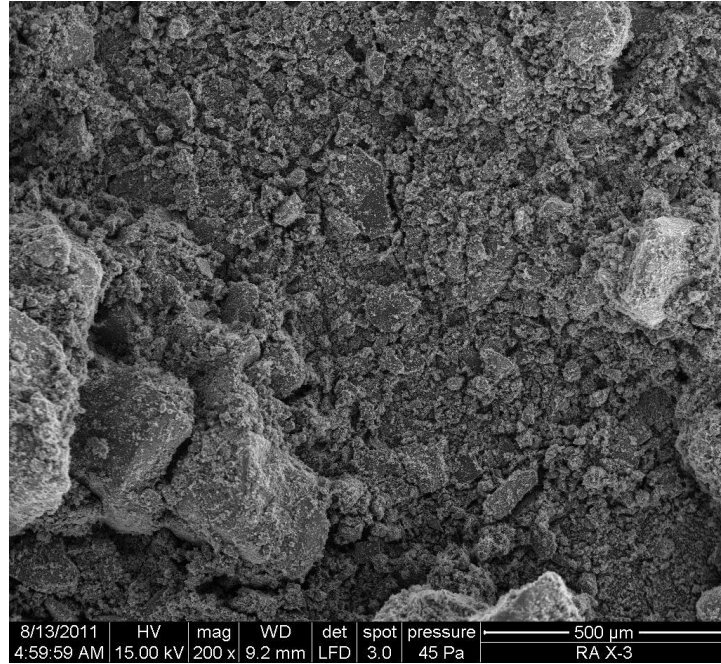


MAGNIFICACIÓN 1500X

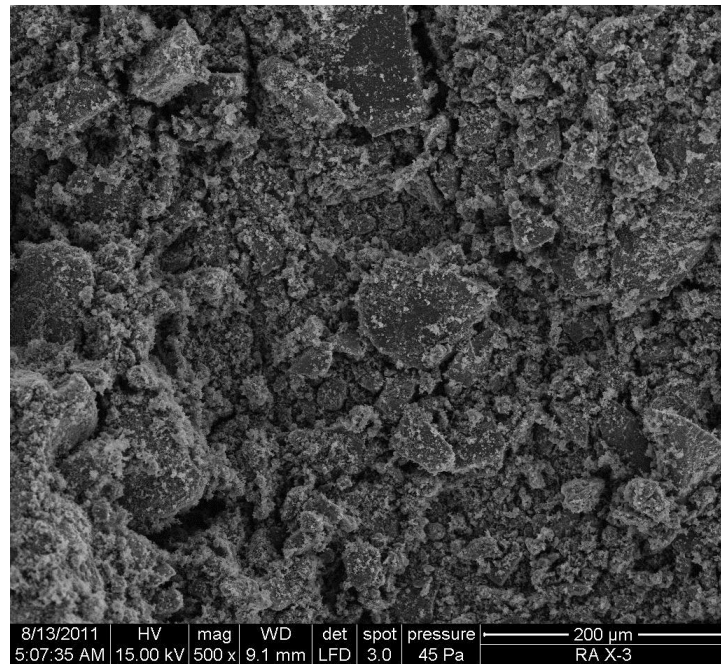
MUESTRA Y1



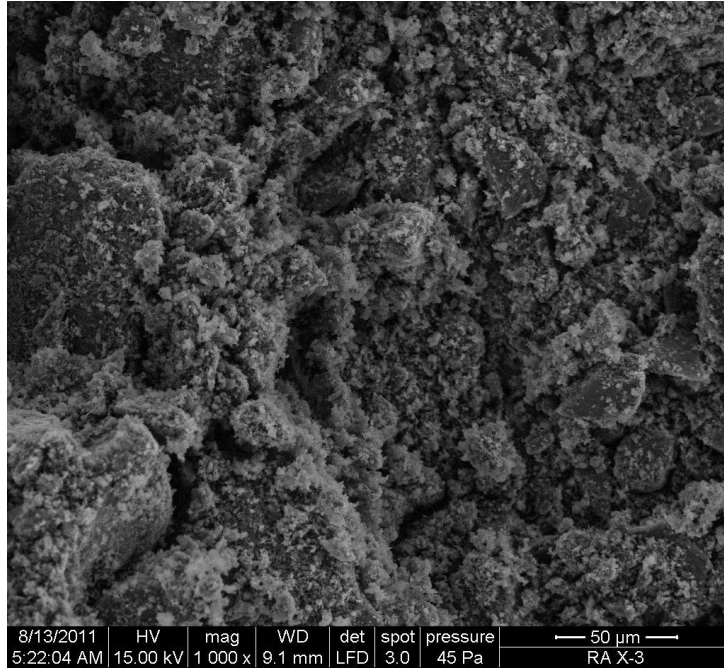
MAGNIFICACIÓN 100X



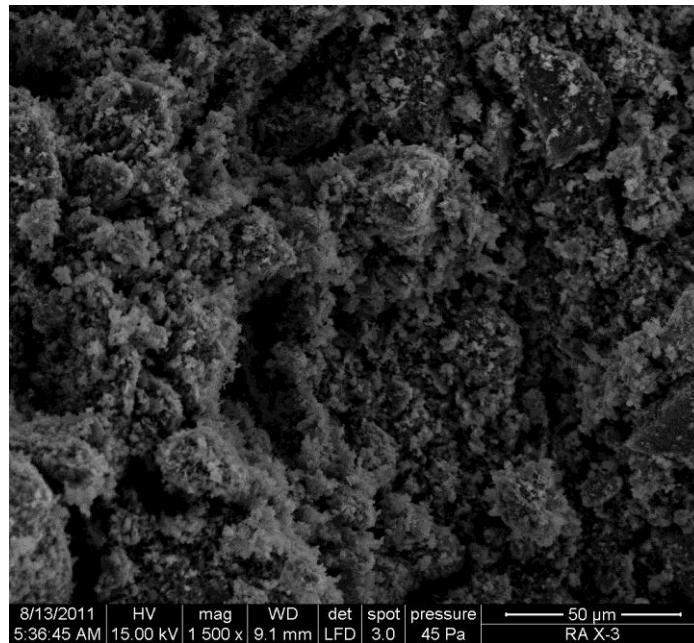
MAGNIFICACIÓN 200X



MAGNIFICACIÓN 500X

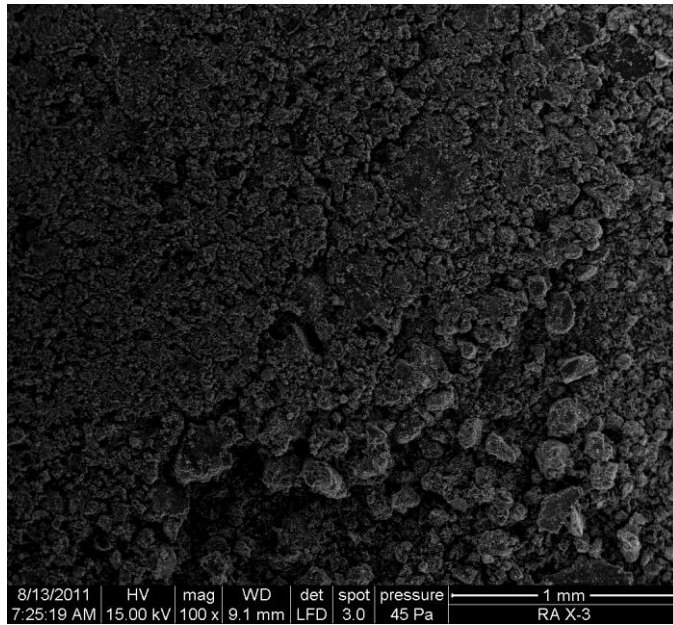


MAGNIFICACIÓN 1000X

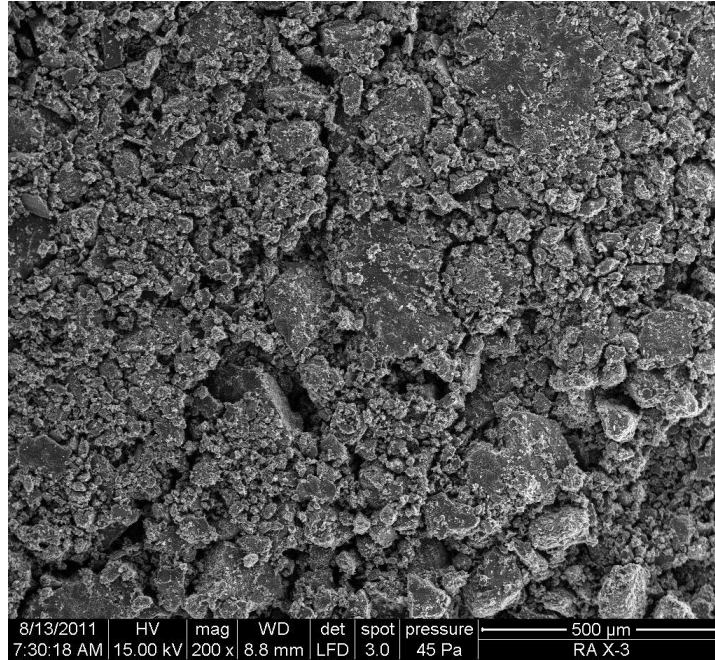


MAGNIFICACIÓN 1500X

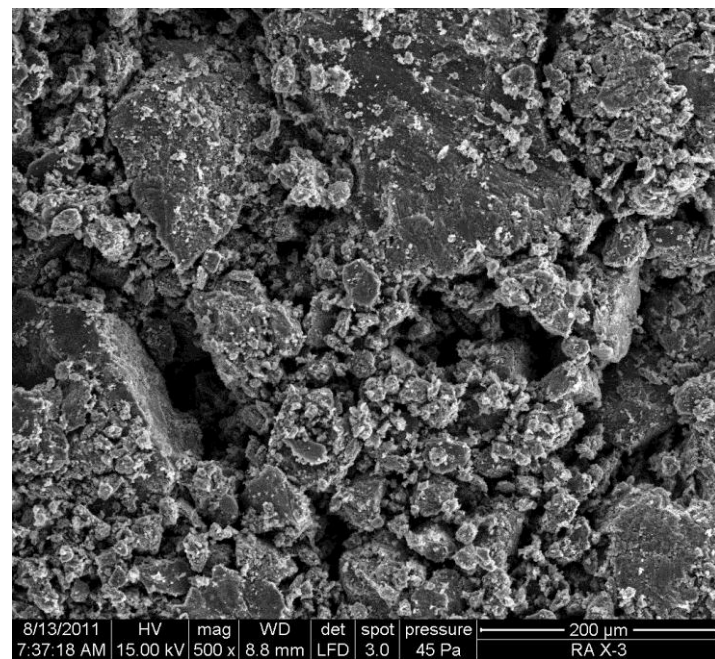
MUESTRA Y2



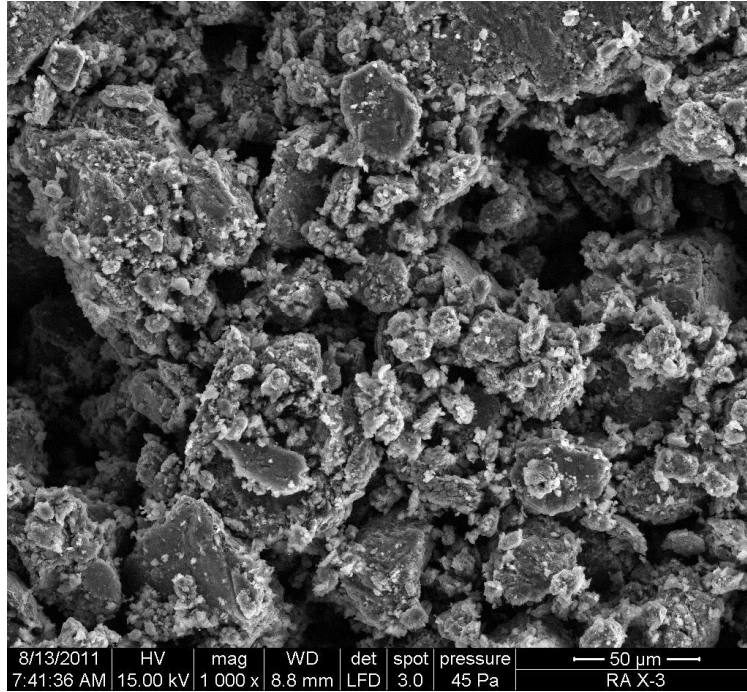
MAGNIFICACIÓN 100X



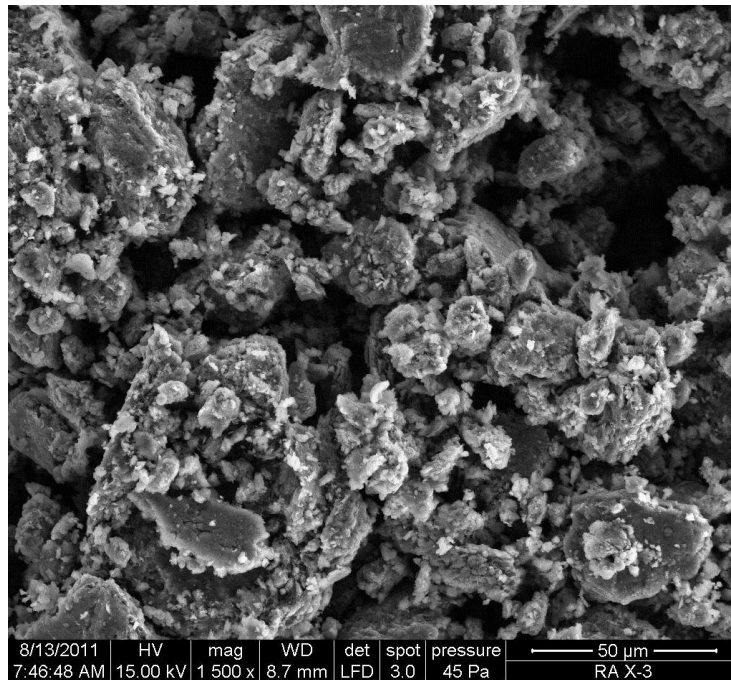
MAGNIFICACIÓN 200X



MAGNIFICACIÓN 500X



MAGNIFICACIÓN 1000X

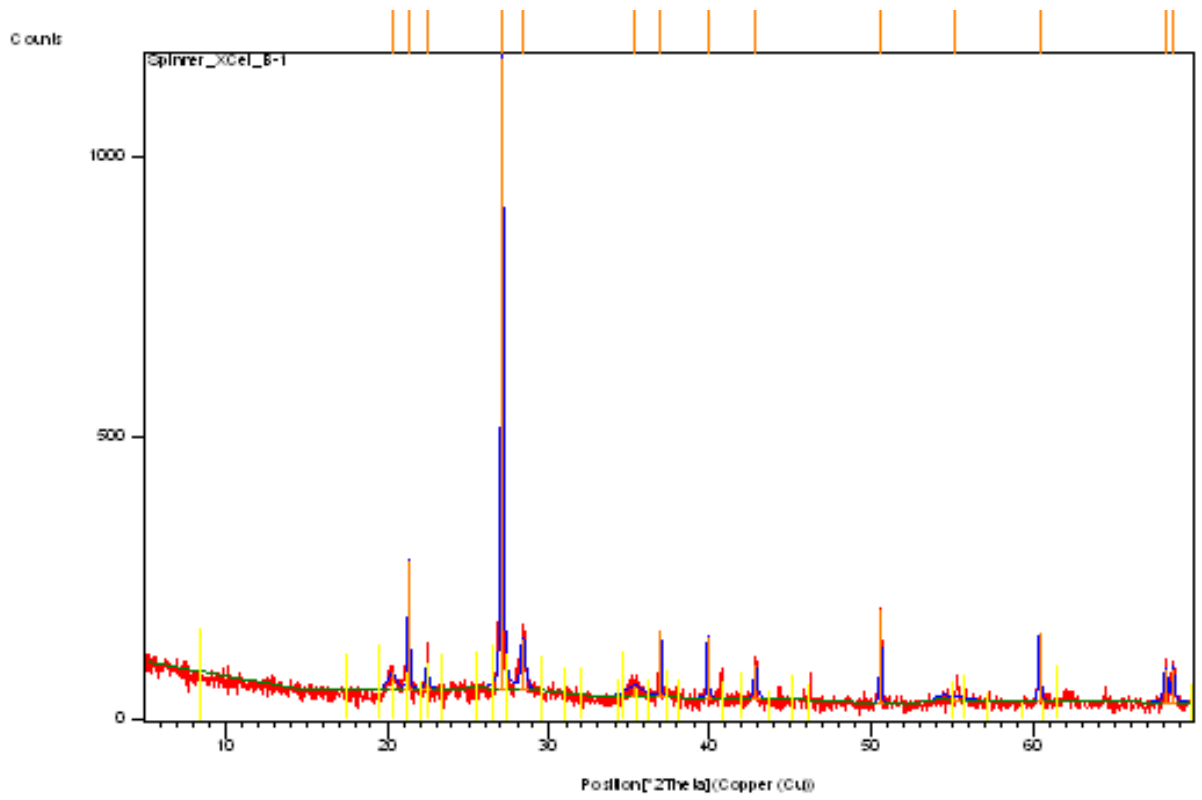


MAGNIFICACIÓN 1500X

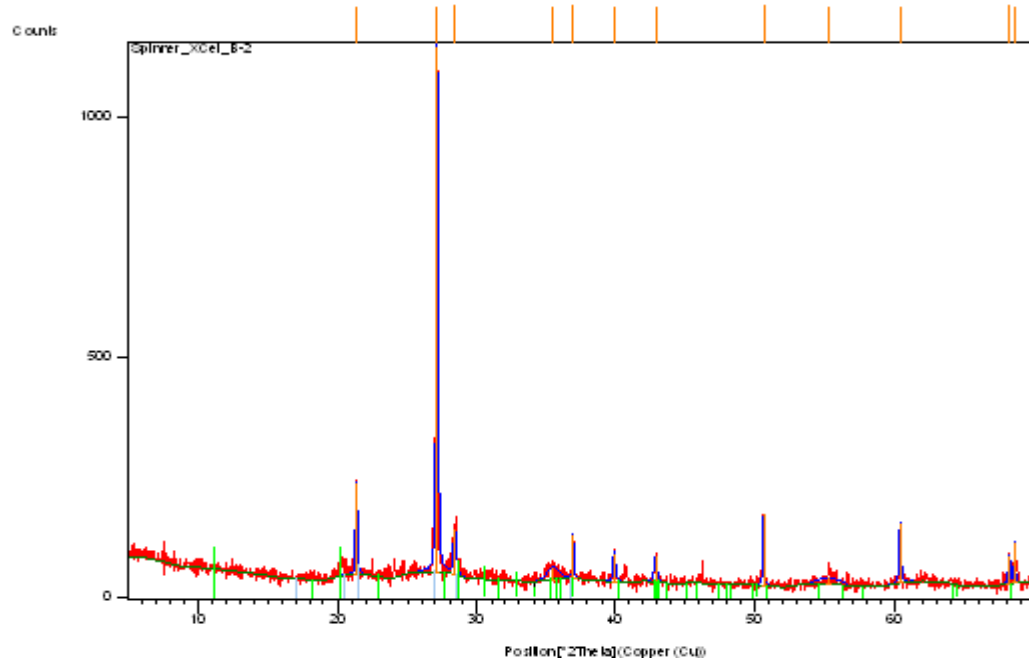
APÉNDICE C

DIFRACTOGRAMAS DE FRACCIÓN ARCILLA

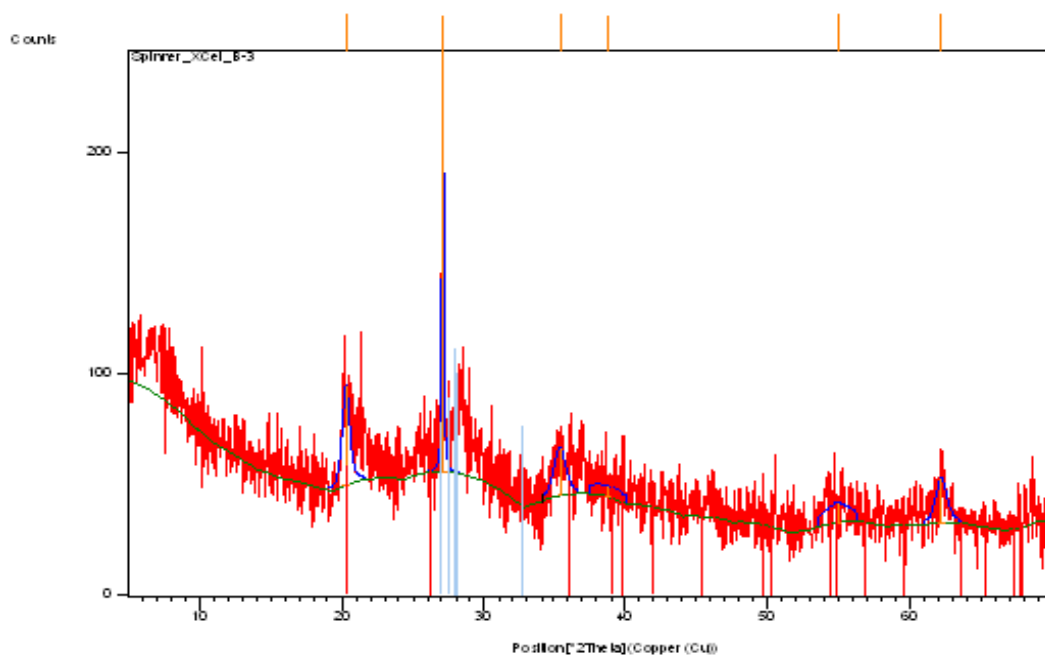
MUESTRA B1



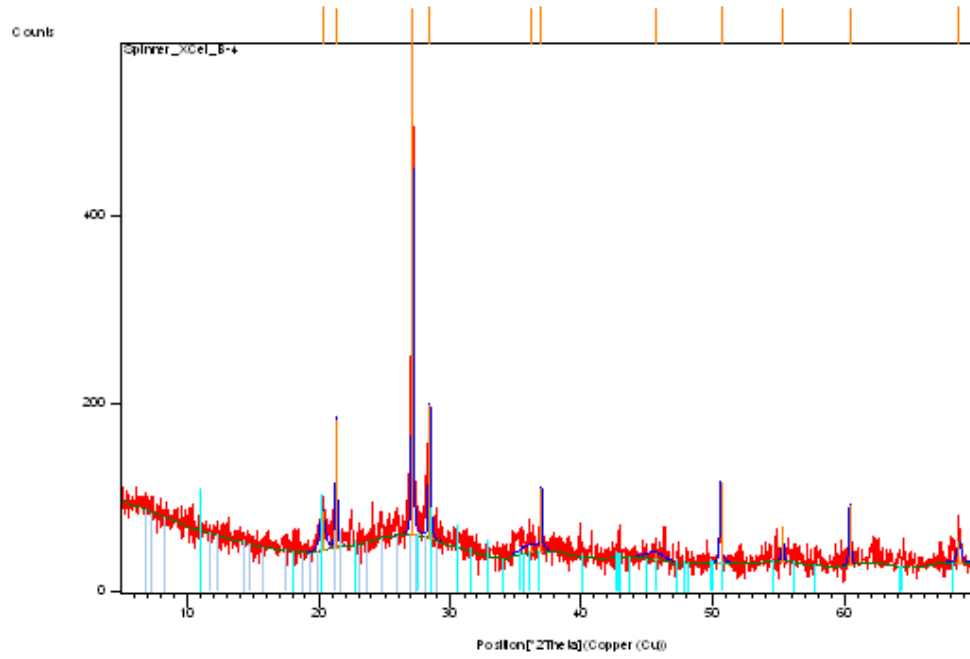
MUESTRA B2



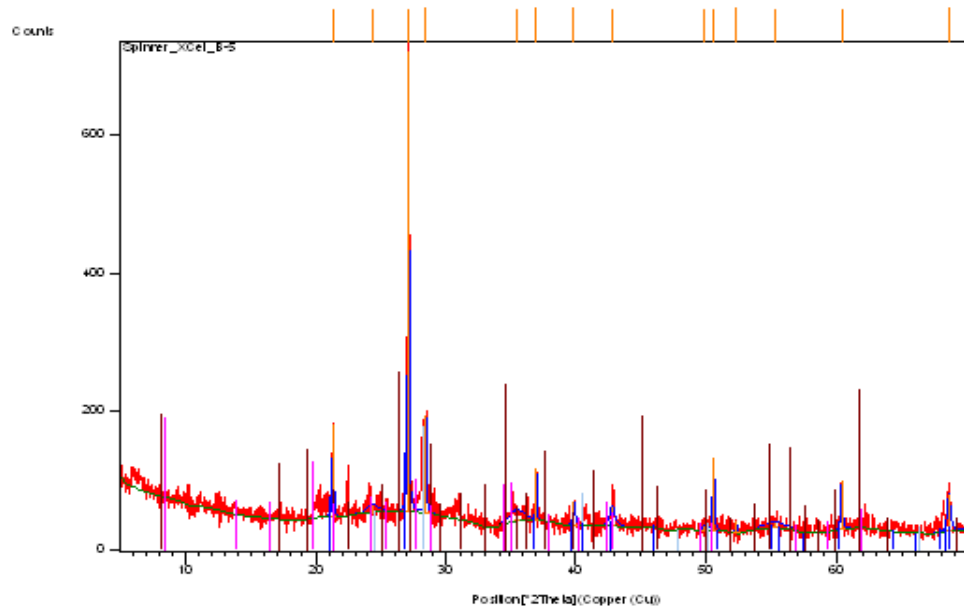
MUESTRA B3



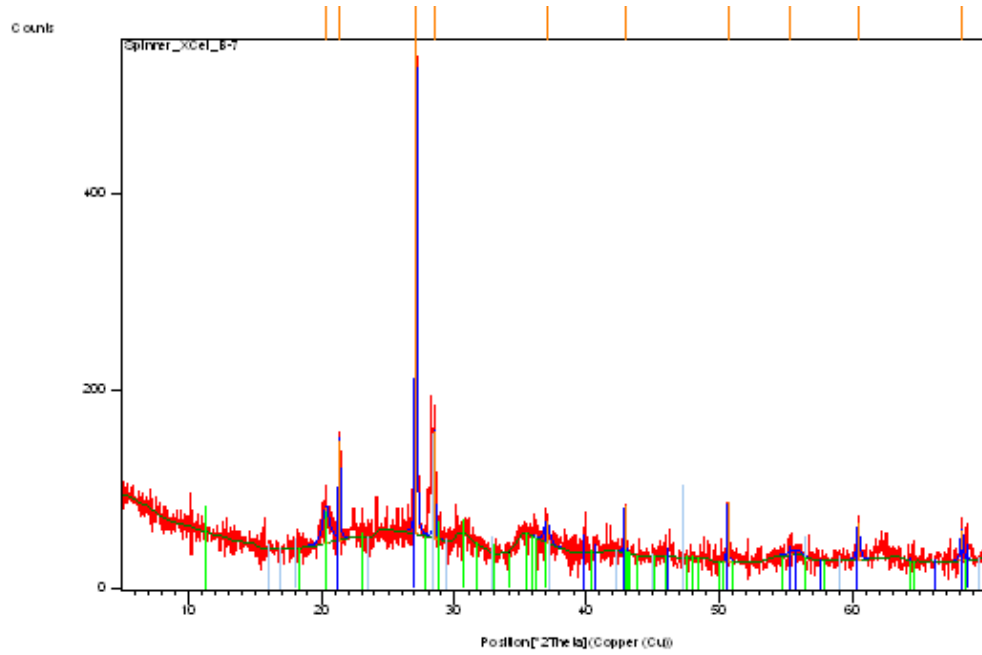
MUESTRA B4



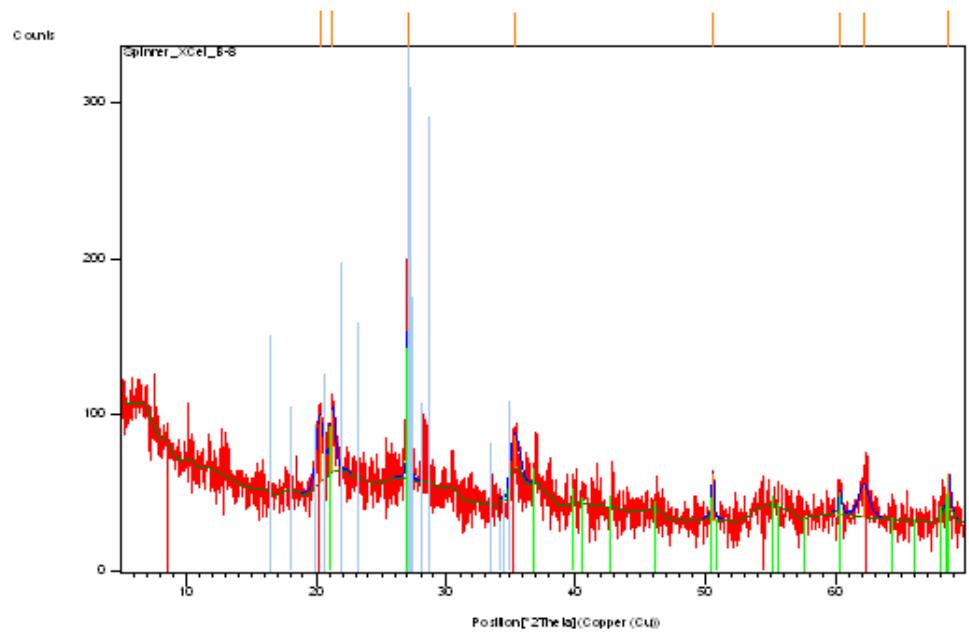
MUESTRA B5



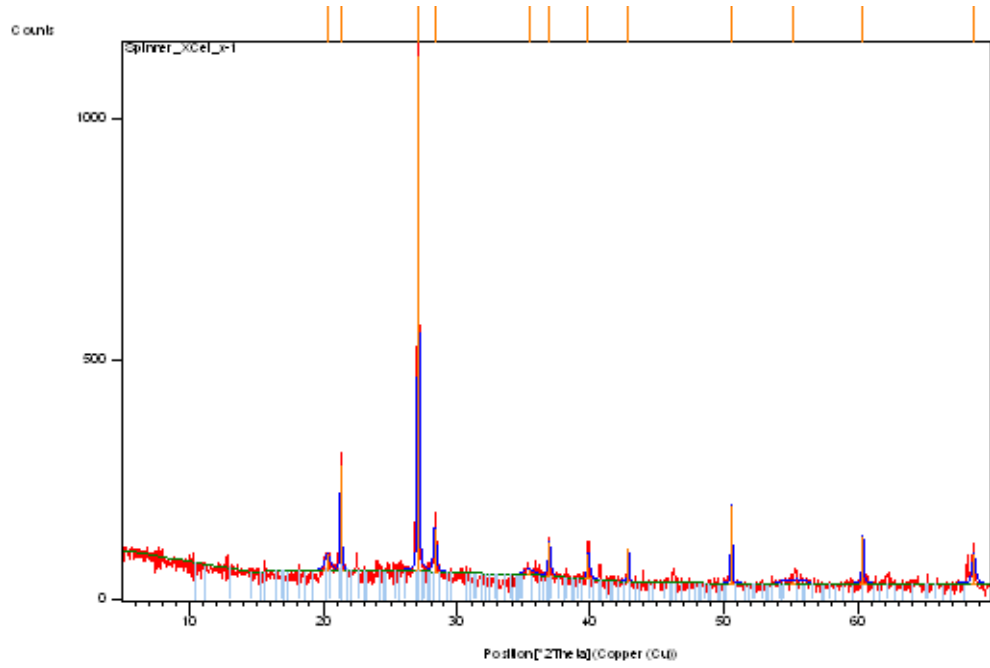
MUESTRA B7



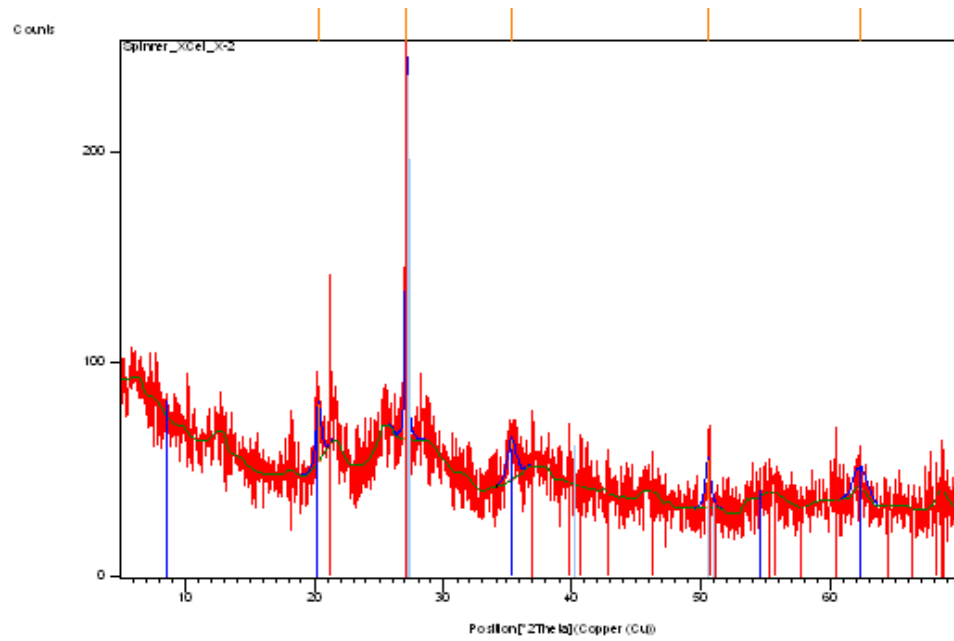
MUESTRA B8



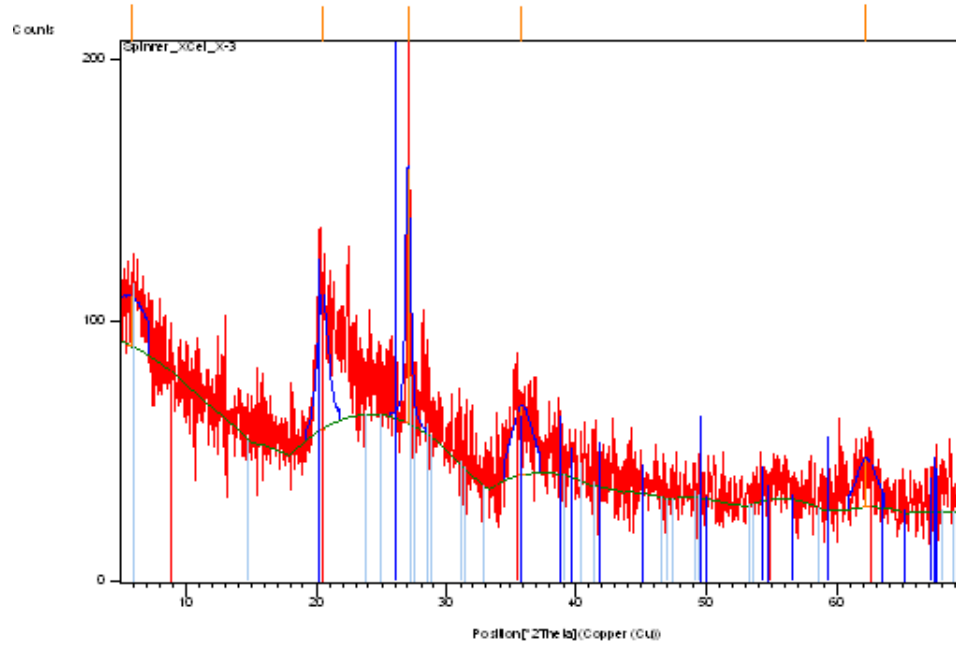
MUESTRA X1



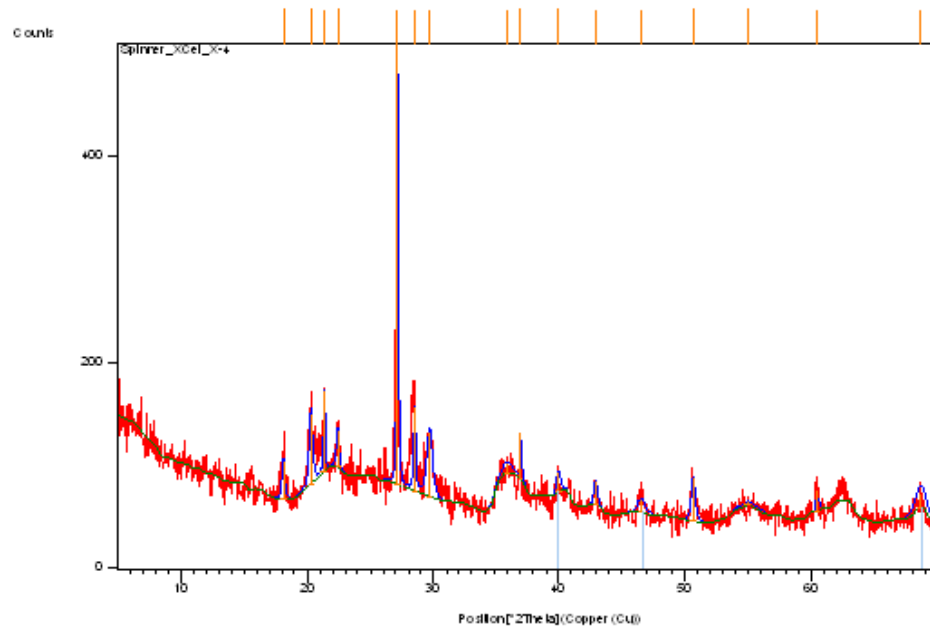
MUESTRA X2



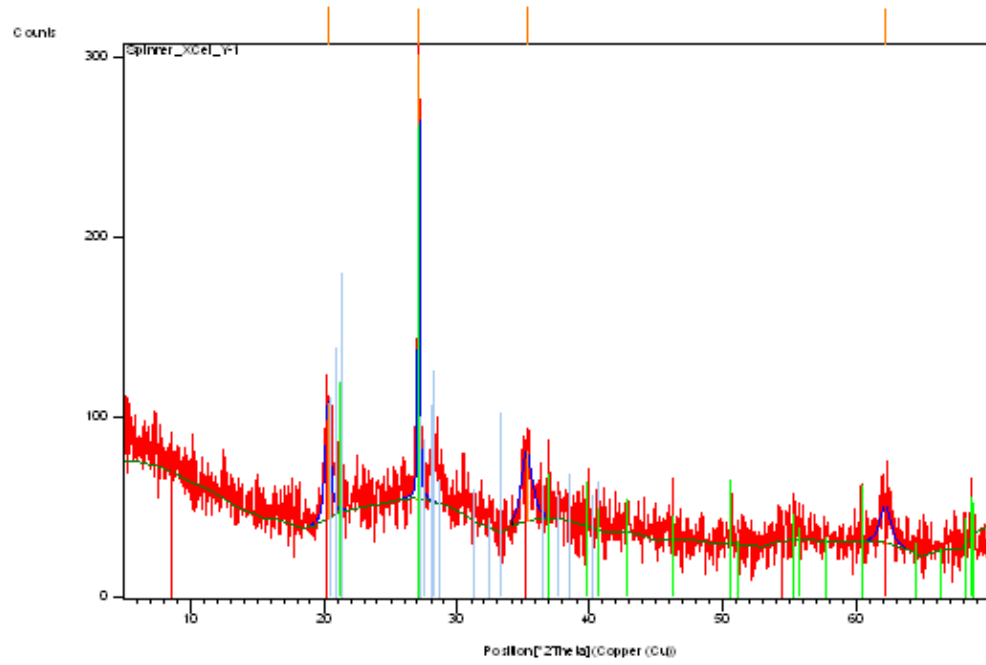
MUESTRA X3



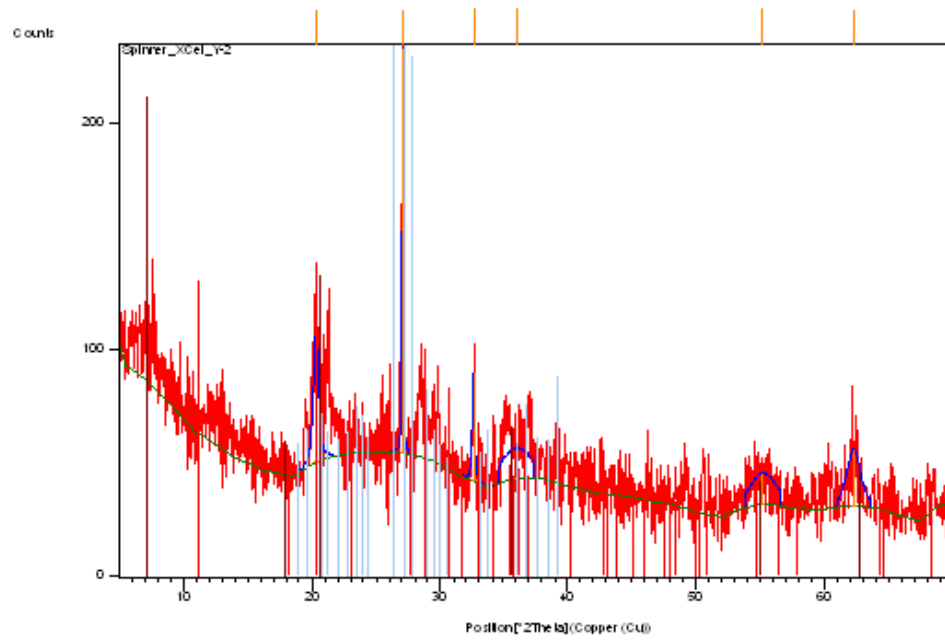
MUESTRA X4



MUESTRA Y1



MUESTRA Y2



APÉNDICE D

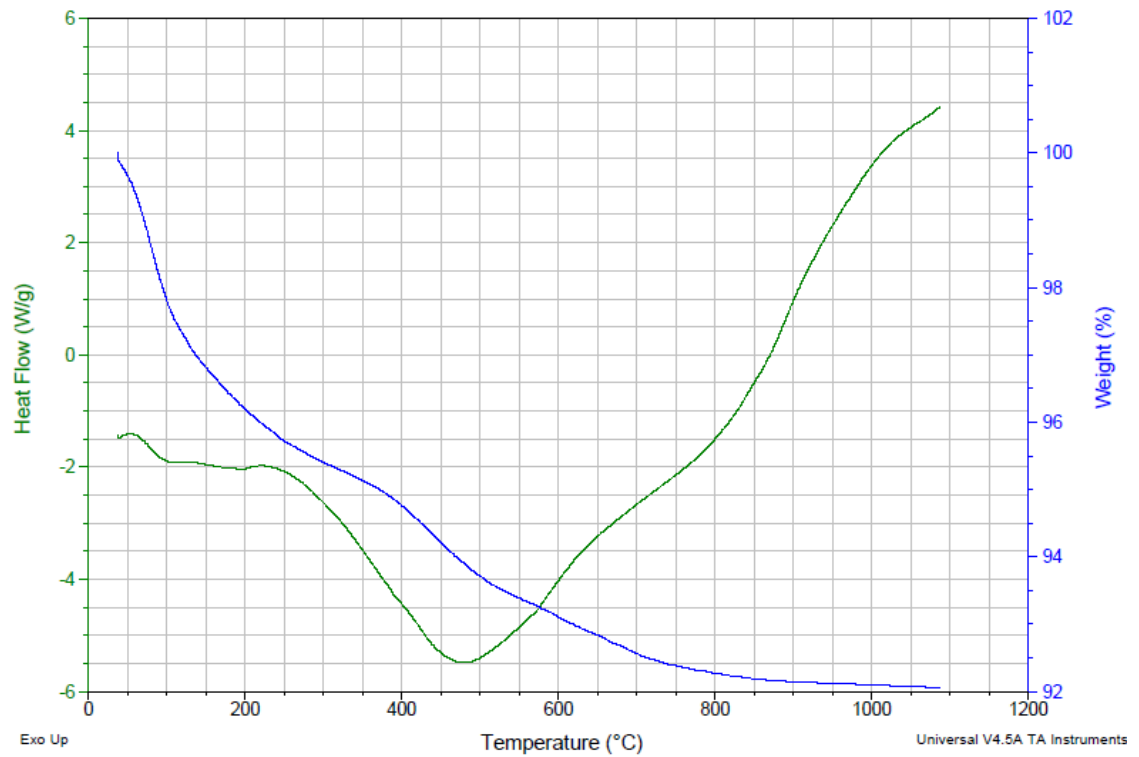
ANÁLISIS TÉRMICO DE LAS MUESTRAS DE ARCILLA

MUESTRA B1

Sample: ARCILLA
Size: 9.0600 mg
Method: Ramp

DSC-TGA

File: C:\TAVALLAUCA\B-1.001
Operator: SCM
Run Date: 20-May-2011 08:55
Instrument: SDT Q600 V20.5 Build 15

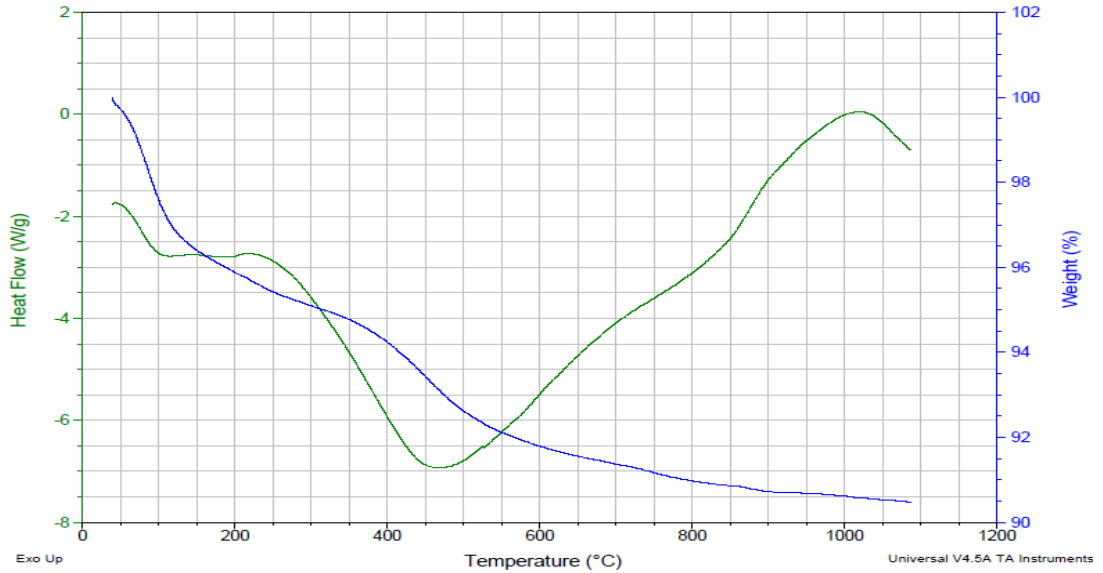


MUESTRA B2

Sample: ARCILLA
Size: 8.3780 mg
Method: Ramp

DSC-TGA

File: C:\TA\ALLAUCAB-2.001
Operator: SCM
Run Date: 20-May-2011 11:41
Instrument: SDT Q600 V20.5 Build 15

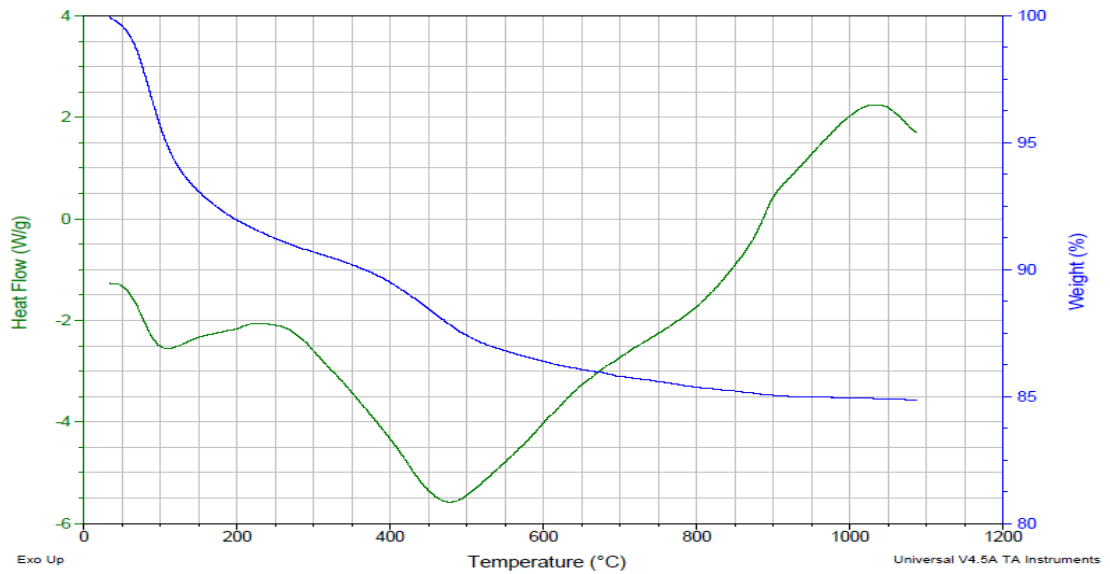


MUESTRA B3

Sample: ARCILLA
Size: 9.1740 mg
Method: Ramp

DSC-TGA

File: C:\TA\ALLAUCAB-3.001
Operator: SCM
Run Date: 23-May-2011 09:12
Instrument: SDT Q600 V20.5 Build 15

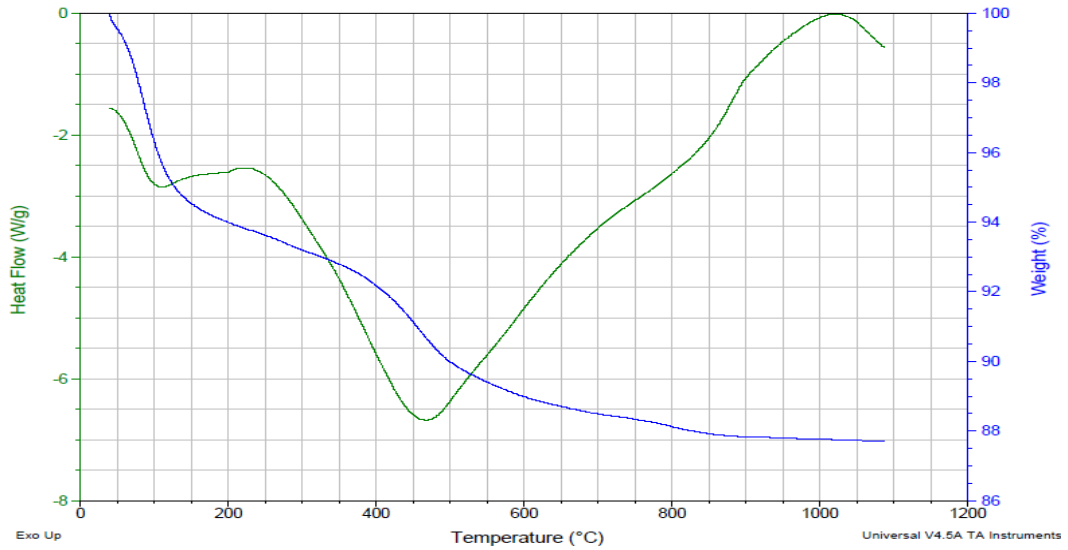


MUESTRA B4

Sample: ARCILLA
Size: 9.3530 mg
Method: Ramp

DSC-TGA

File: C:\TAVALLAUCAB-4.001
Operator: SCM
Run Date: 23-May-2011 11:37
Instrument: SDT Q600 V20.5 Build 15

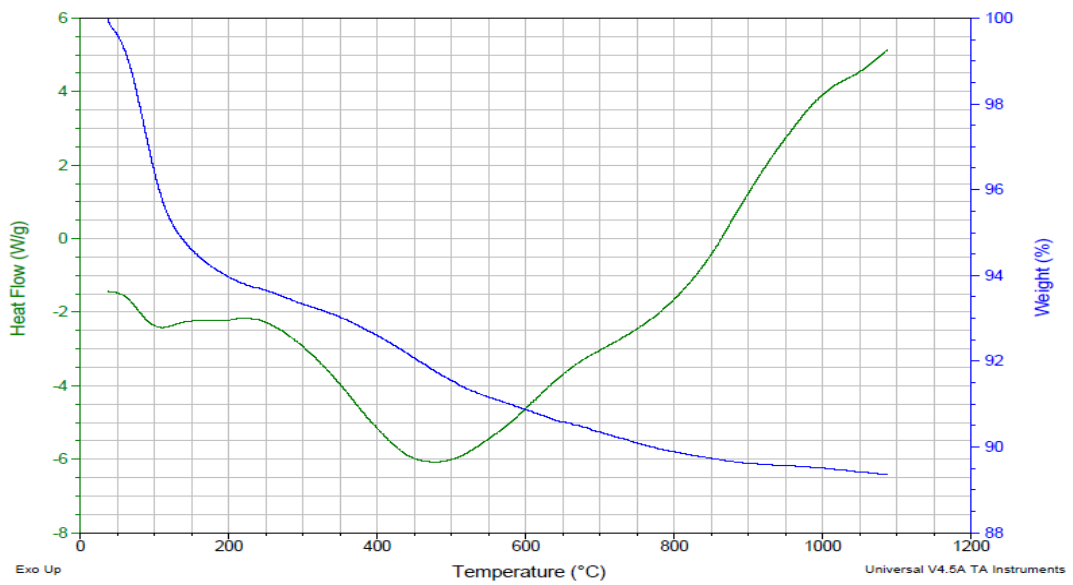


MUESTRA B5

Sample: ARCILLA
Size: 8.5400 mg
Method: Ramp

DSC-TGA

File: C:\TAVALLAUCAB-5.001
Operator: SCM
Run Date: 25-May-2011 09:12
Instrument: SDT Q600 V20.5 Build 15

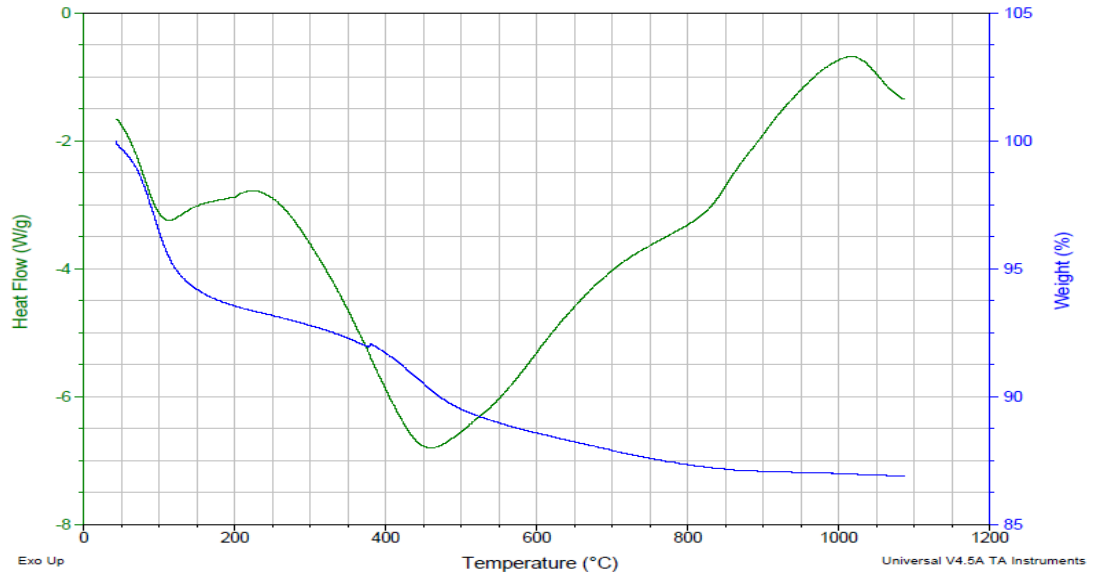


MUESTRA B6

Sample: ARCILLA
Size: 8.9710 mg
Method: Ramp

DSC-TGA

File: C:\TA\ALLAUCA\B-6.001
Operator: SCM
Run Date: 25-May-2011 11:40
Instrument: SDT Q600 V20.5 Build 15

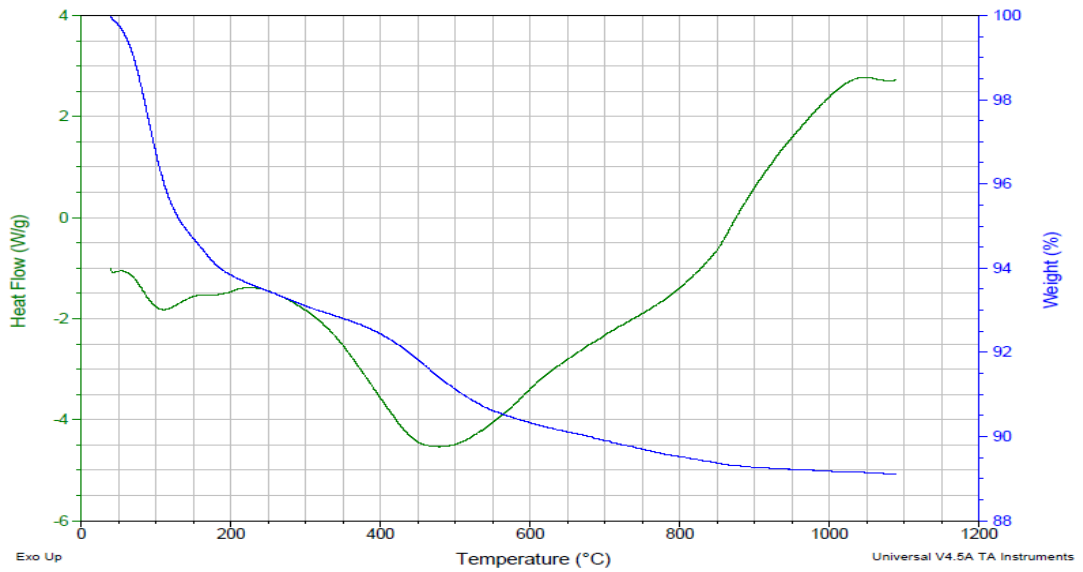


MUESTRA B7

Sample: ARCILLA
Size: 10.6820 mg
Method: Ramp

DSC-TGA

File: C:\TA\ALLAUCA\B-7.001
Operator: SCM
Run Date: 30-May-2011 09:15
Instrument: SDT Q600 V20.5 Build 15

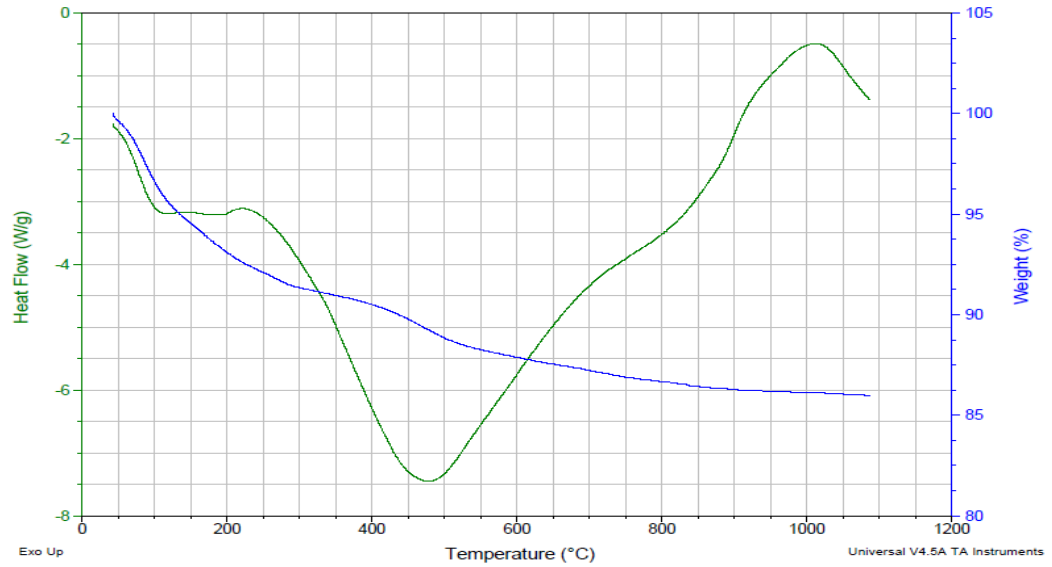


MUESTRA B8

Sample: ARCILLA
Size: 7.9860 mg
Method: Ramp

DSC-TGA

File: C:\TA\ALLAUCIB-8.001
Operator: SCM
Run Date: 30-May-2011 12:06
Instrument: SDT Q600 V20.5 Build 15

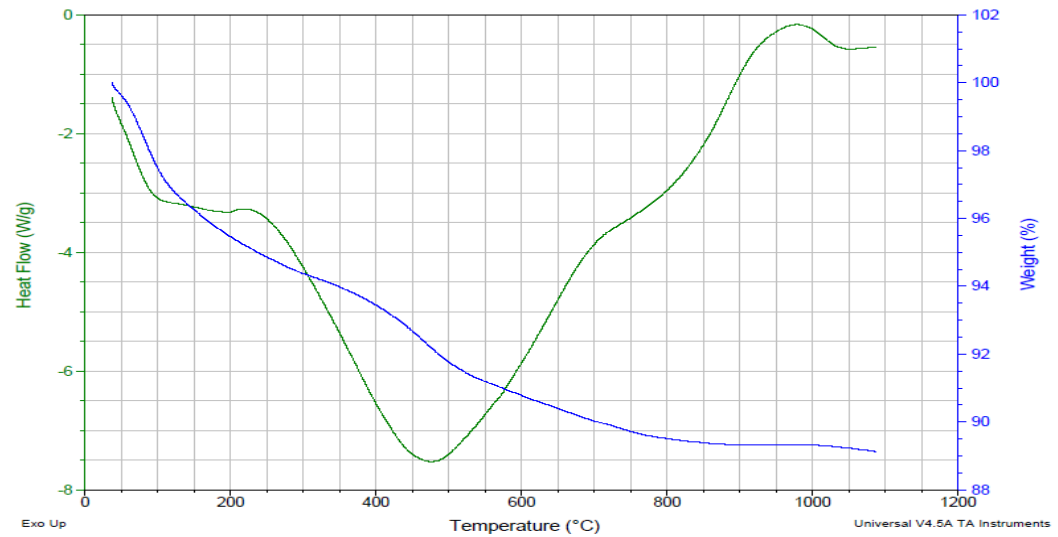


MUESTRA X1

Sample: ARCILLA
Size: 7.6150 mg
Method: Ramp

DSC-TGA

File: C:\TA\ALLAUCAX-1.001
Operator: SCM
Run Date: 16-May-2011 09:35
Instrument: SDT Q600 V20.5 Build 15

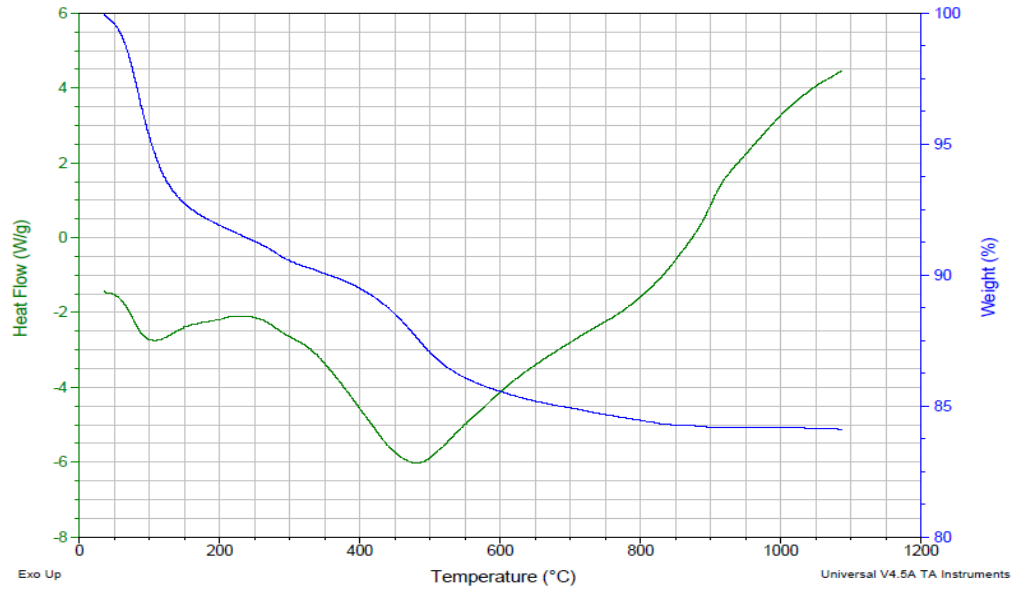


MUESTRA X2

Sample: ARCILLA
Size: 9.0640 mg
Method: Ramp

DSC-TGA

File: C:\TAVALLAUCAX-2.001
Operator: SCM
Run Date: 18-May-2011 09:00
Instrument: SDT Q600 V20.5 Build 15

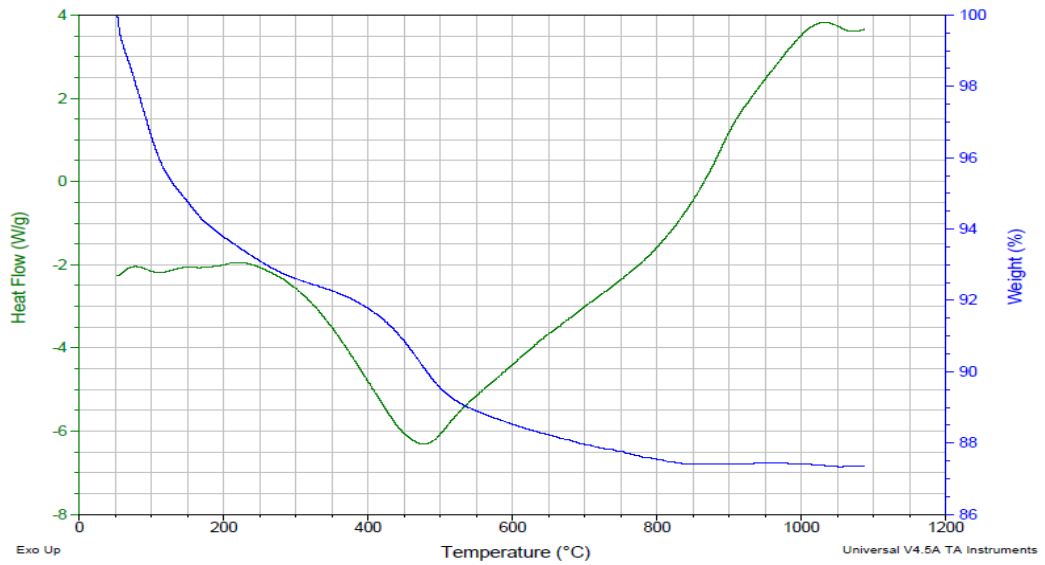


MUESTRA X3

Sample: ARCILLA
Size: 7.3270 mg
Method: Ramp

DSC-TGA

File: C:\TAVALLAUCAX-3.001
Operator: SCM
Run Date: 16-May-2011 11:36
Instrument: SDT Q600 V20.5 Build 15

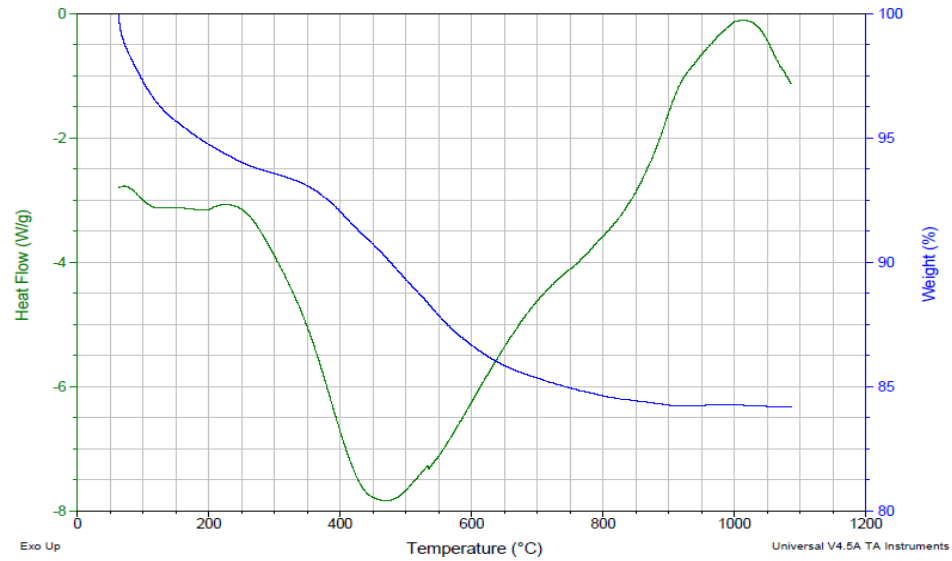


MUESTRA X4

Sample: ARCILLA
Size: 7.3070 mg
Method: Ramp

DSC-TGA

File: C:\TA\ALLAUCAX-4.001
Operator: SCM
Run Date: 18-May-2011 10:51
Instrument: SDT Q600 V20.5 Build 15

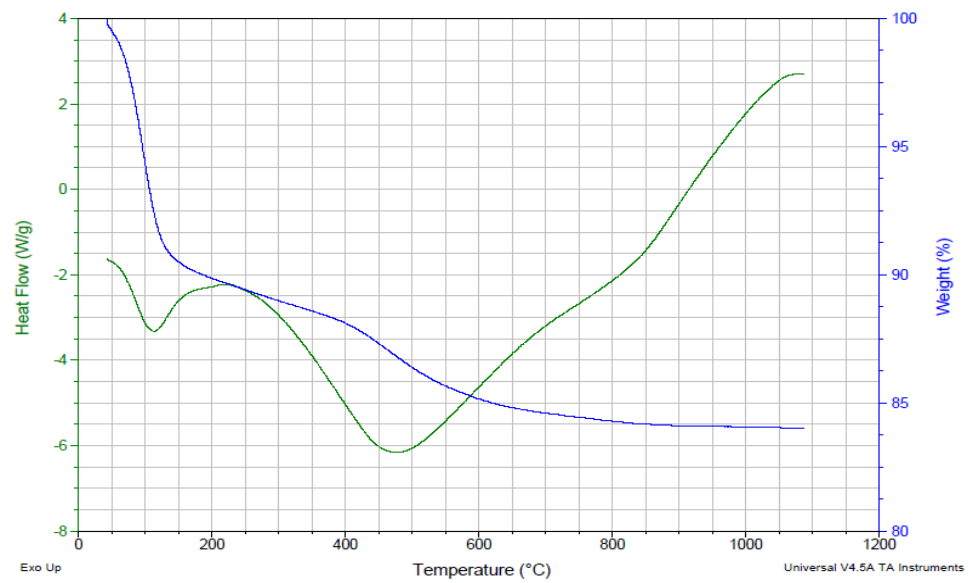


MUESTRA Y1

Sample: ARCILLA
Size: 9.5660 mg
Method: Ramp

DSC-TGA

File: C:\TA\ALLAUCAY-1.001
Operator: SCM
Run Date: 31-May-2011 08:52
Instrument: SDT Q600 V20.5 Build 15

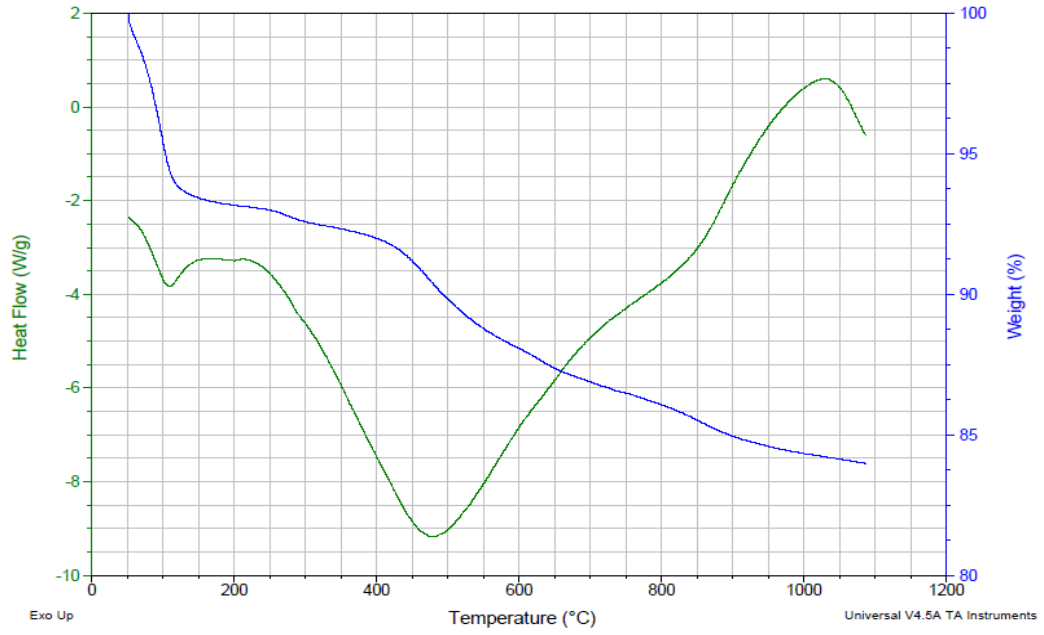


MUESTRA Y2

Sample: ARCILLA
Size: 7.0960 mg
Method: Ramp

DSC-TGA

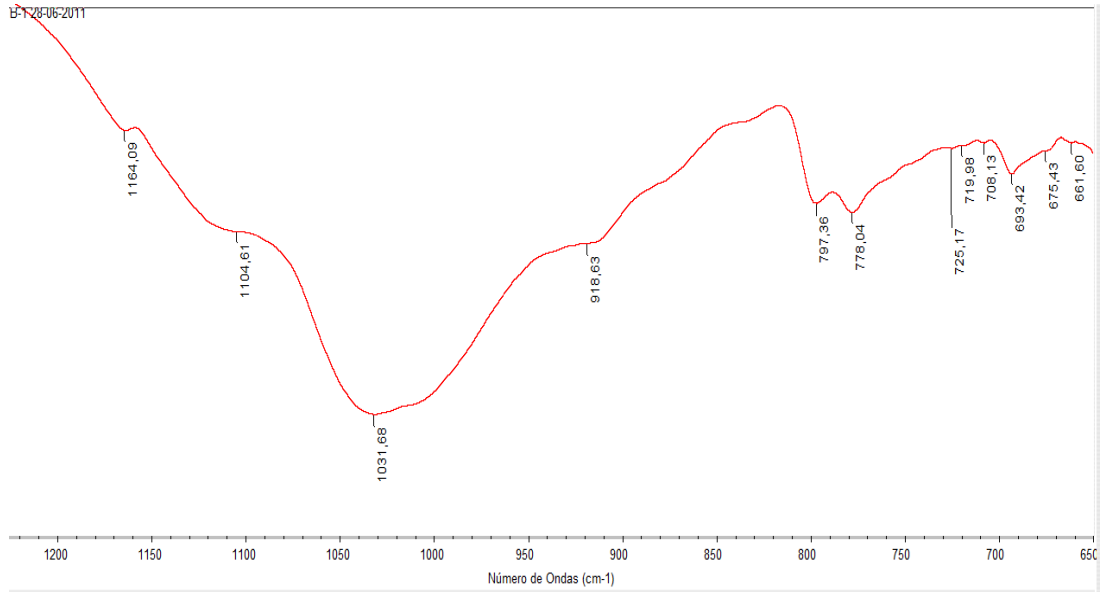
File: C:\TAVALLAUCAIY-2.001
Operator: SCM
Run Date: 31-May-2011 11:02
Instrument: SDT Q600 V20.5 Build 15



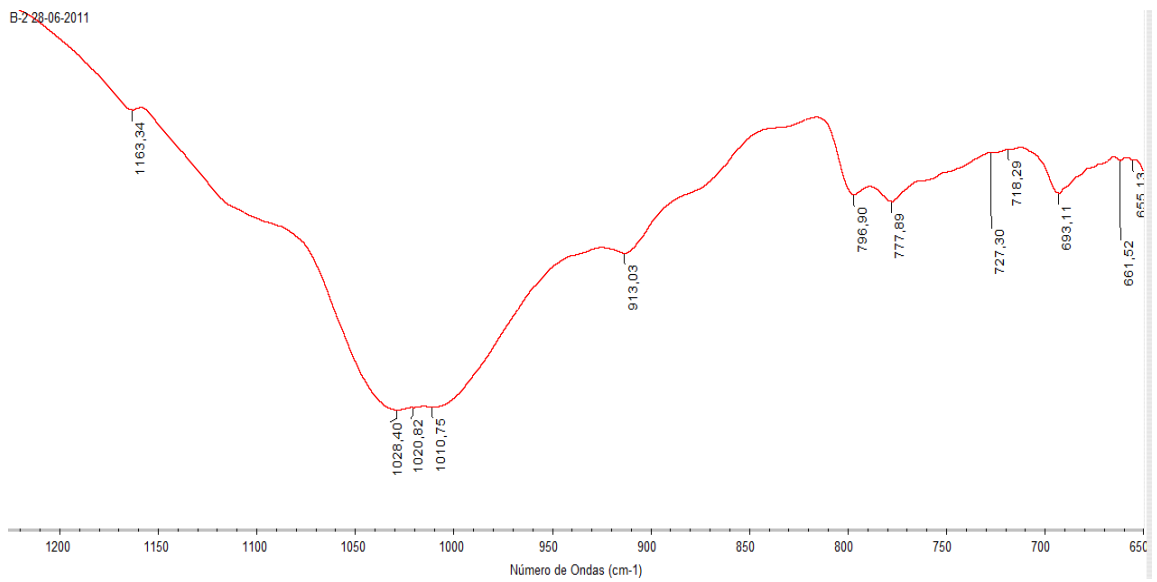
APÉNDICE E

ESPECTROS DE INFRARROJO DE LAS MUESTRAS DE ARCILLA

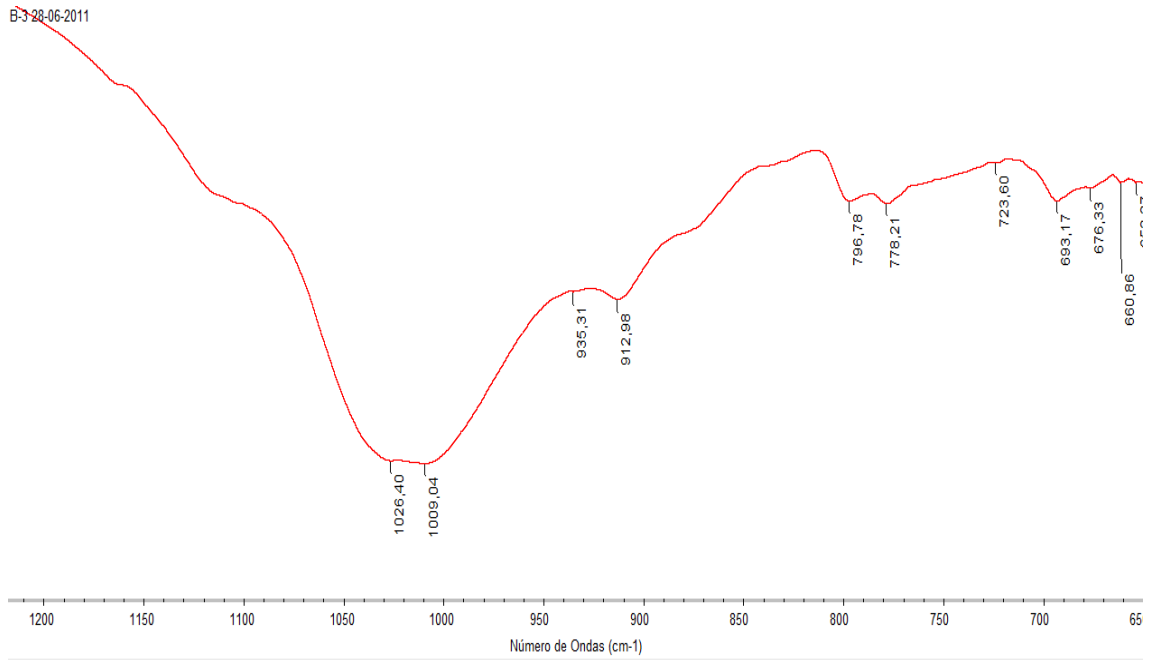
MUESTRA B1



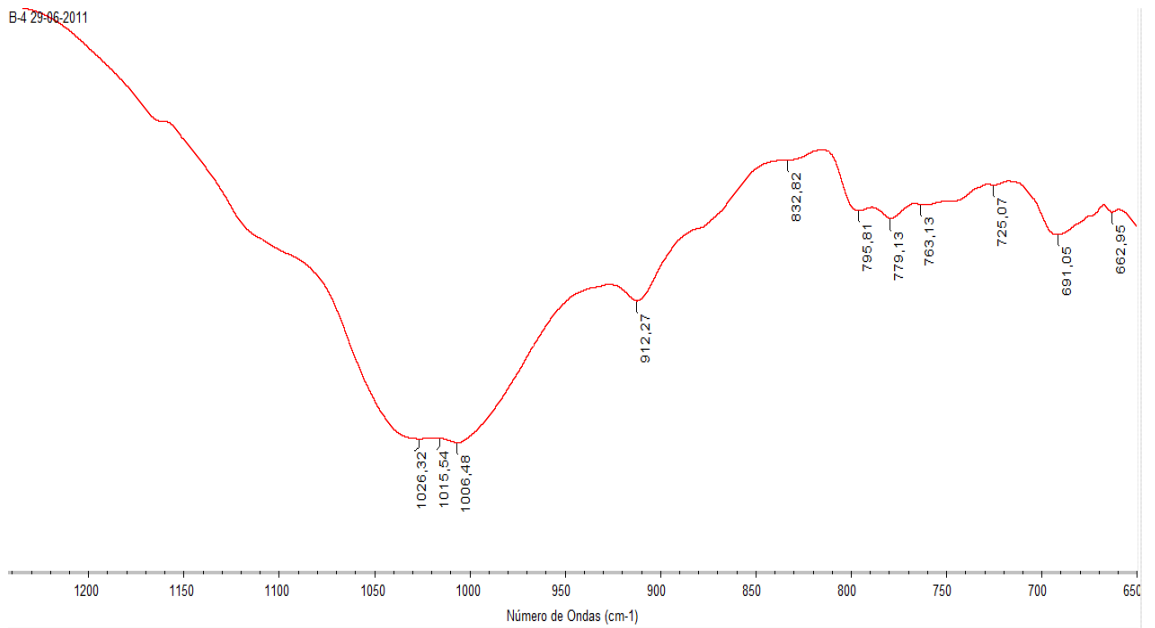
MUESTRA B2



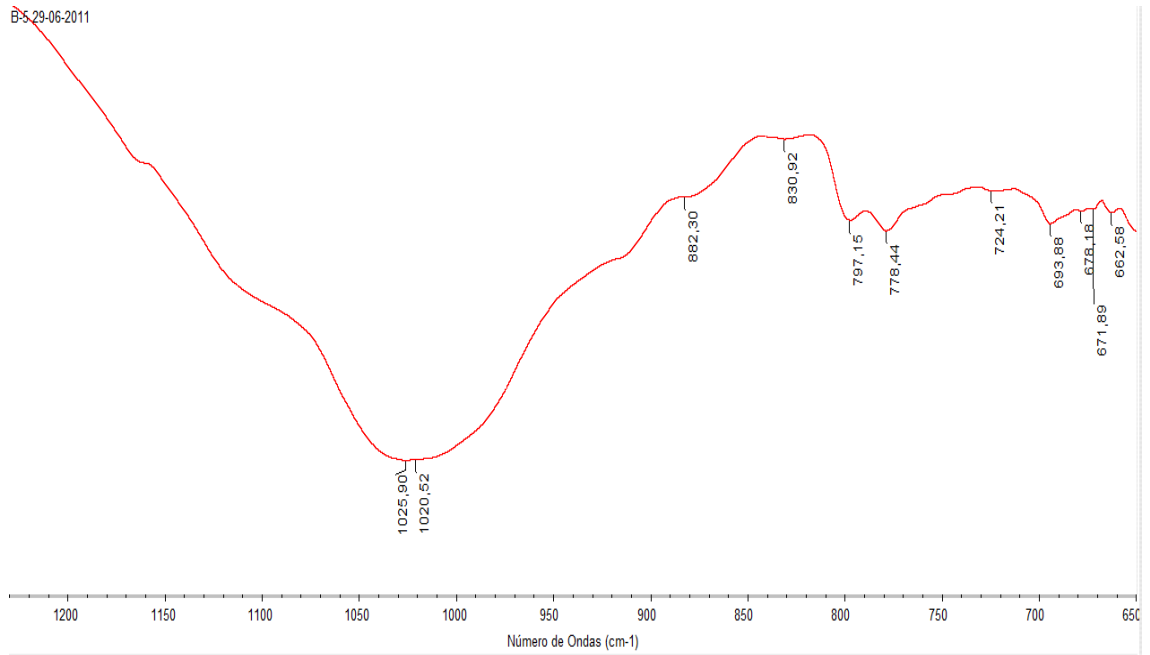
MUESTRA B3



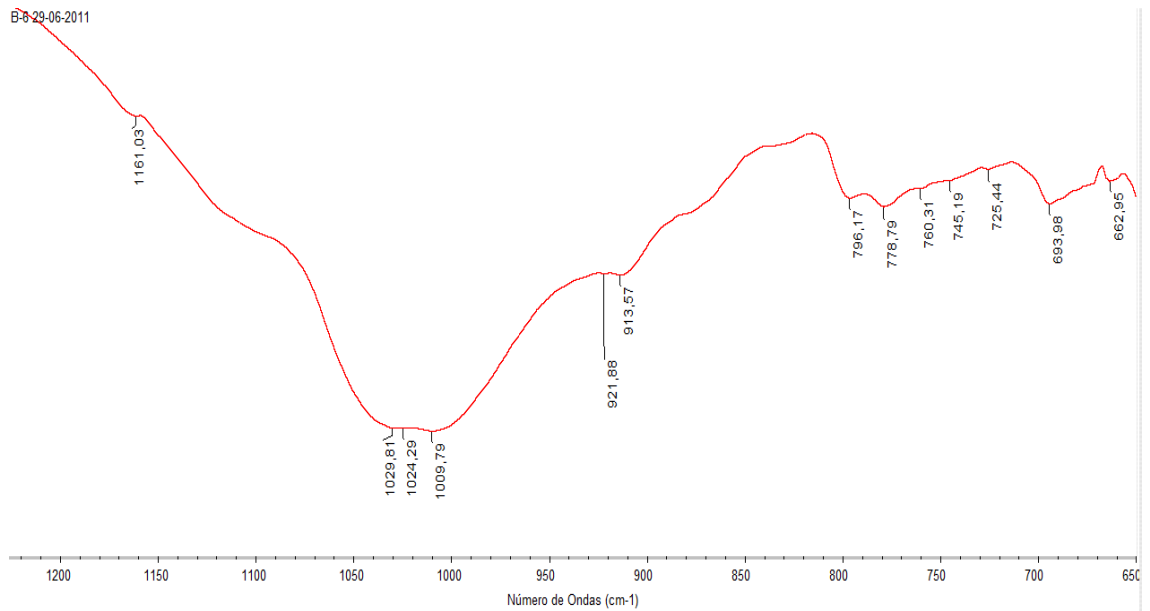
MUESTRA B4



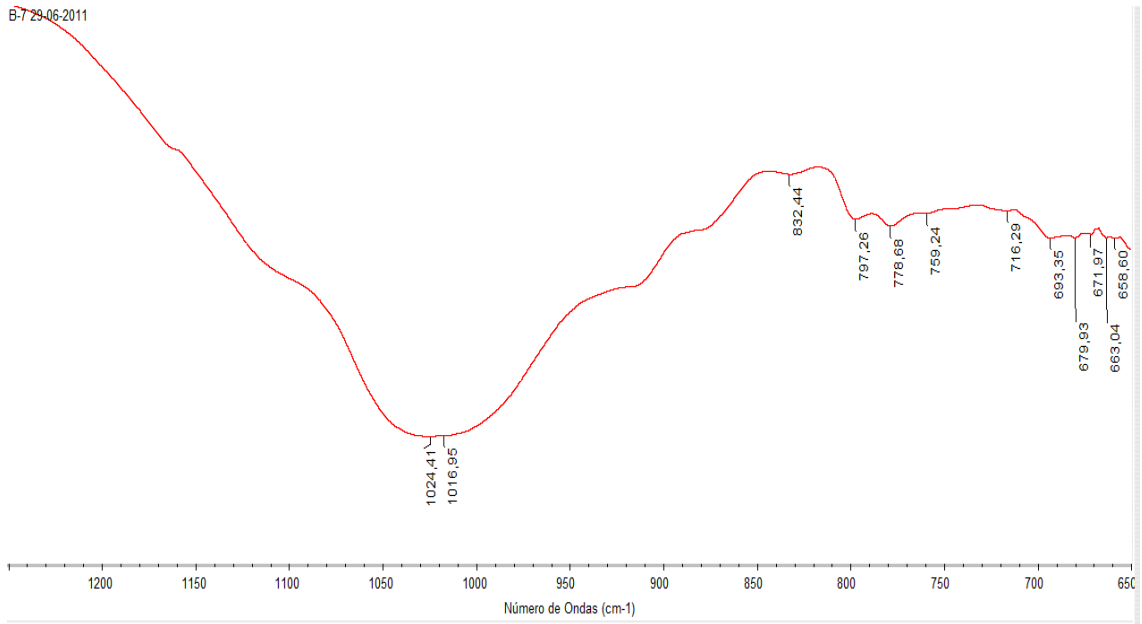
MUESTRA B5



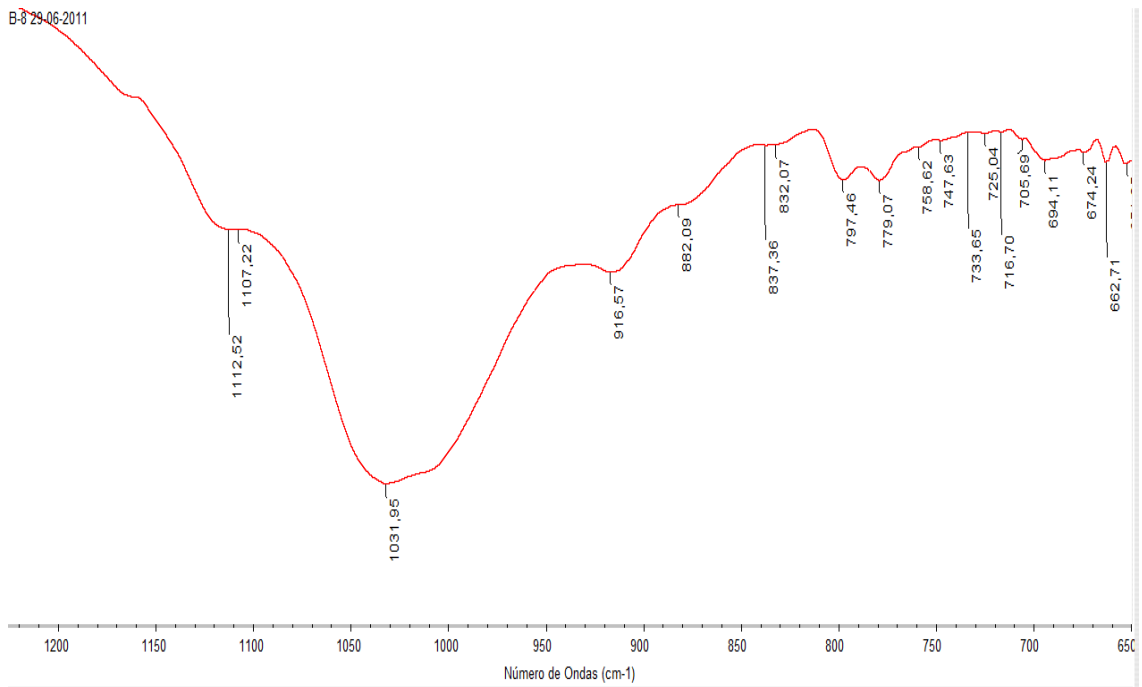
MUESTRA B6



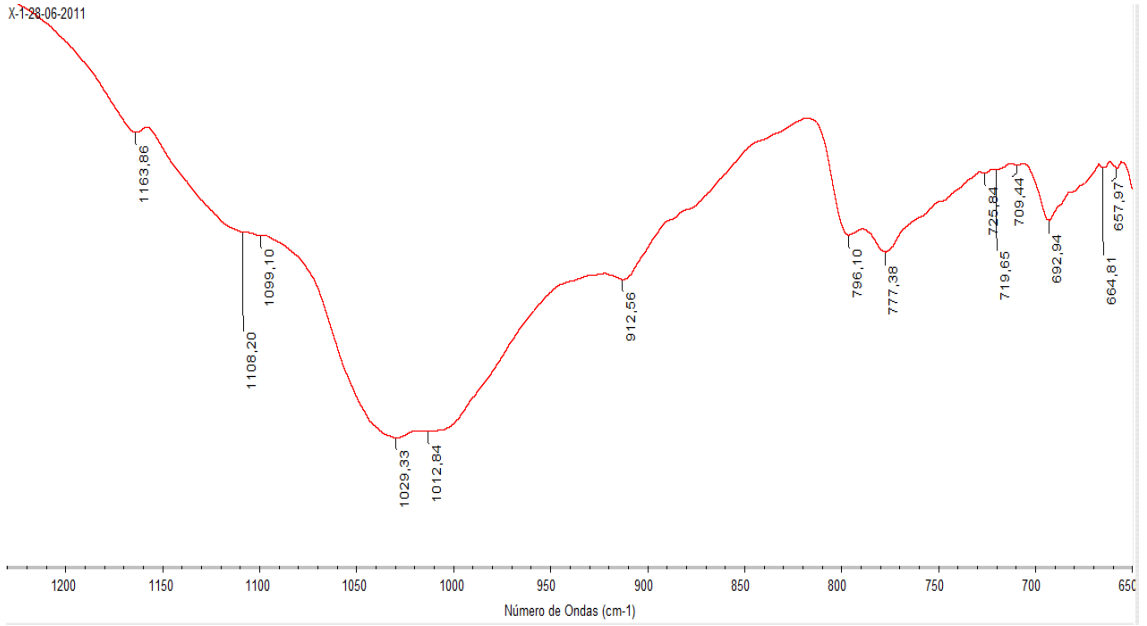
MUESTRA B7



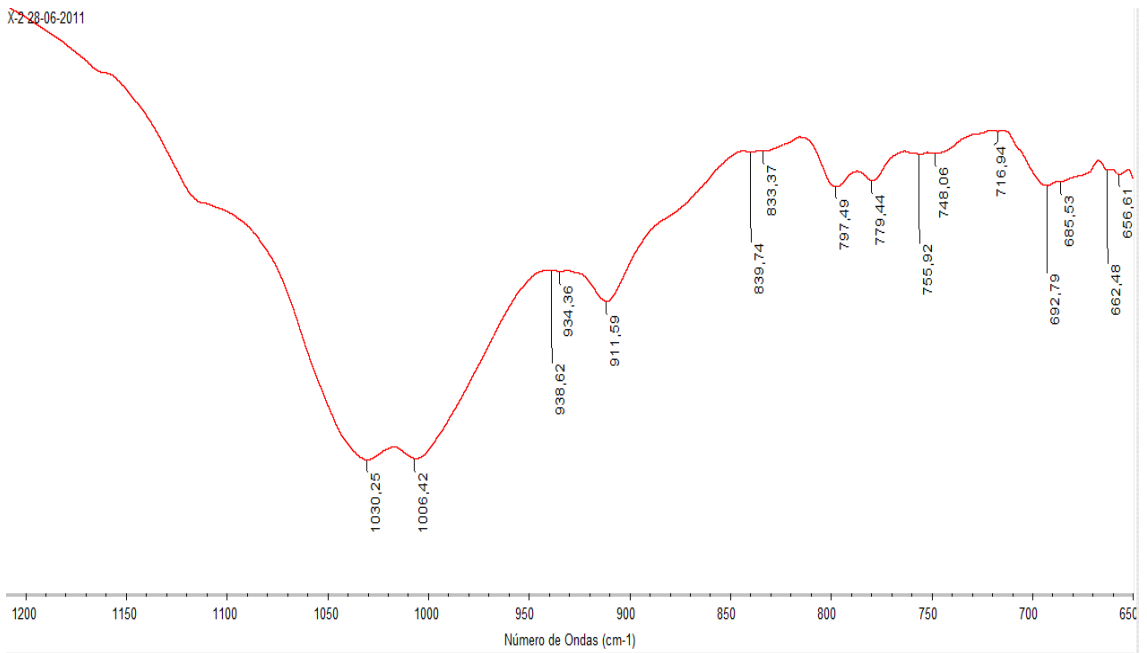
MUESTRA B8



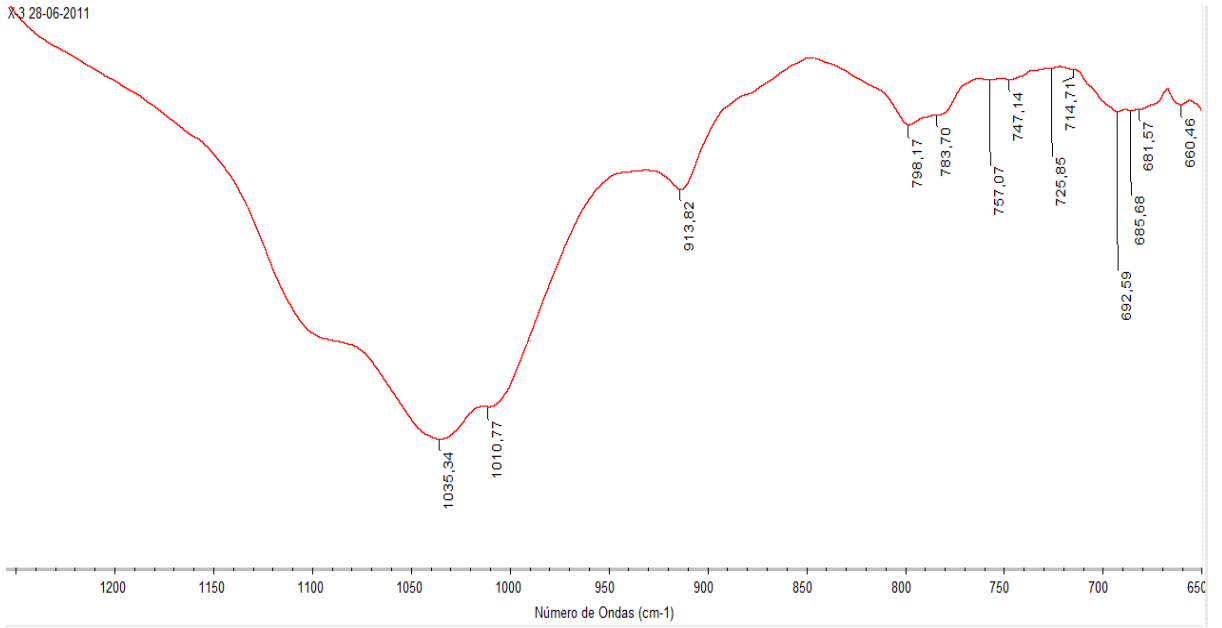
MUESTRA X1



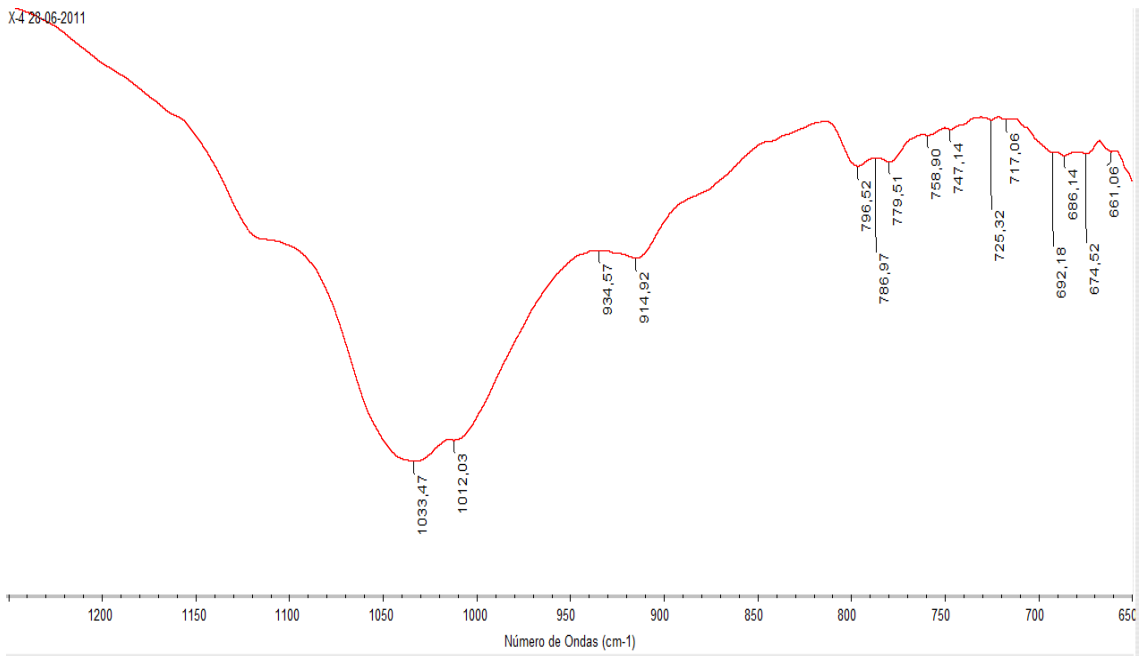
MUESTRA X2



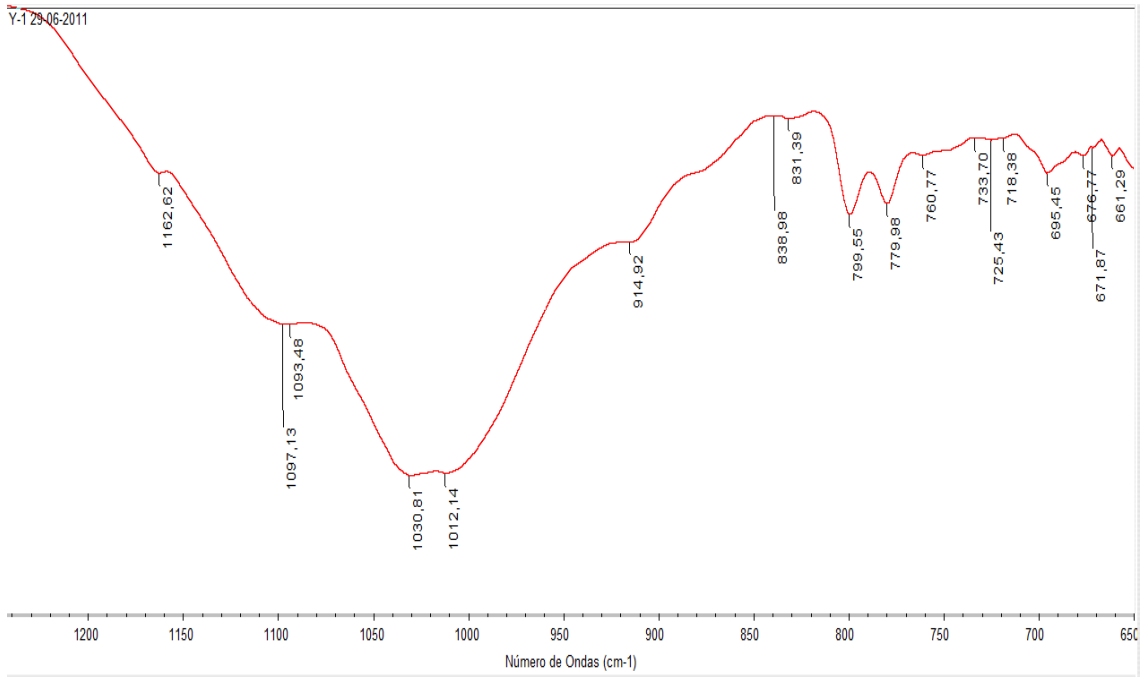
MUESTRA X3



MUESTRA X4



MUESTRA Y1



MUESTRA Y2

