

Apéndice I

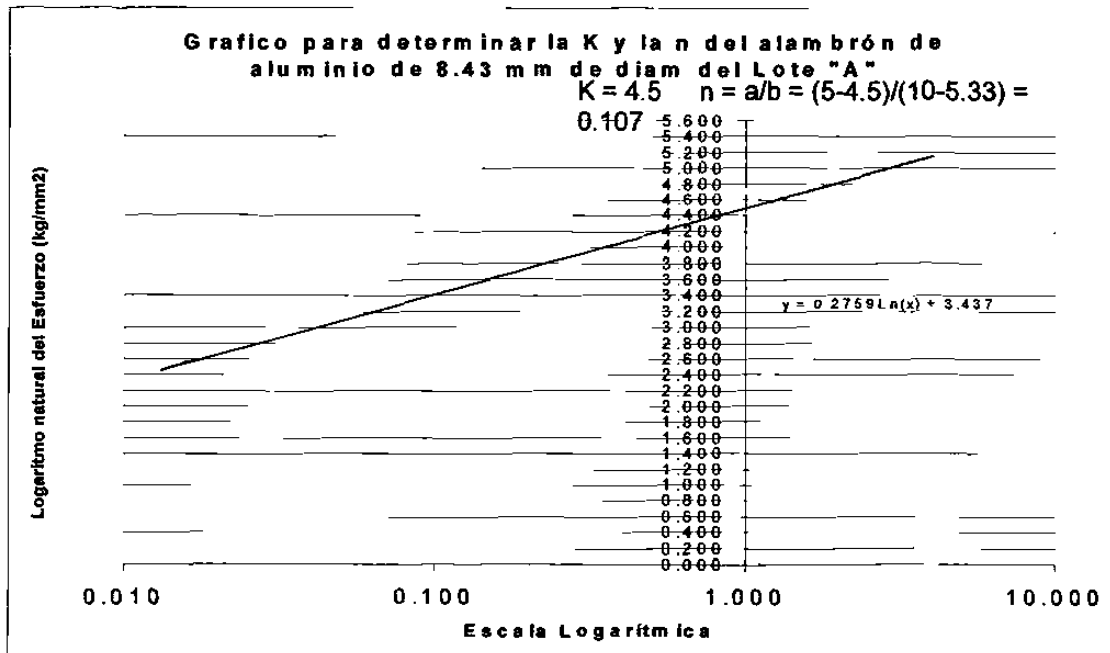


Gráfico AI-1) Determinación del valor de K y n para alambre de 8.43 mm.

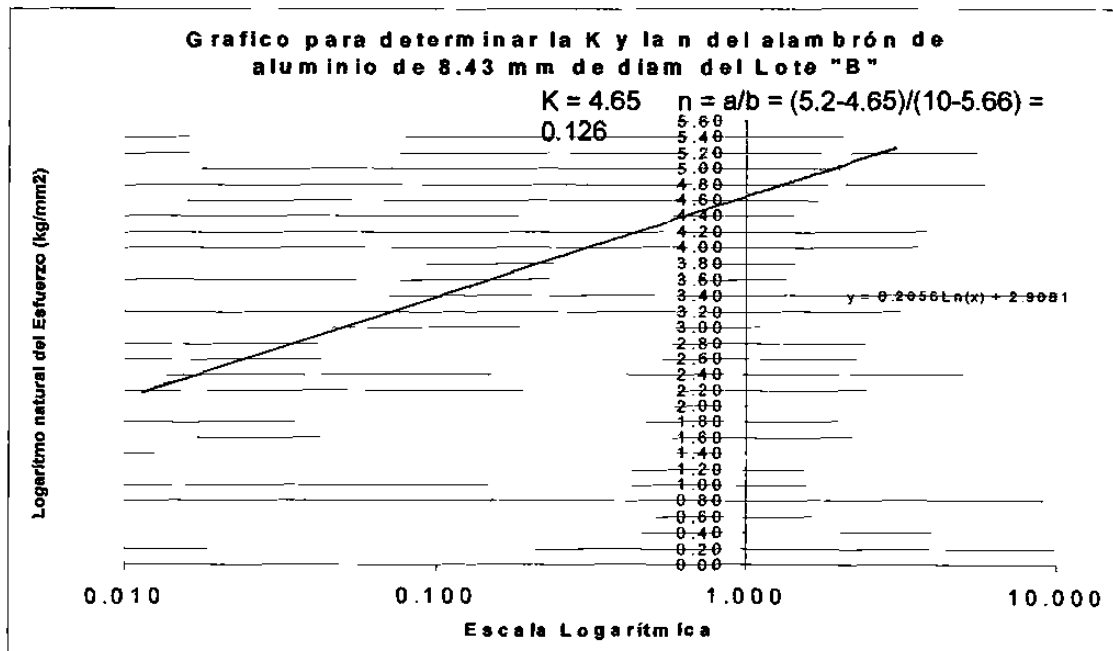


Gráfico AI-2) Determinación del valor de K y n para alambre de 8.43 mm.

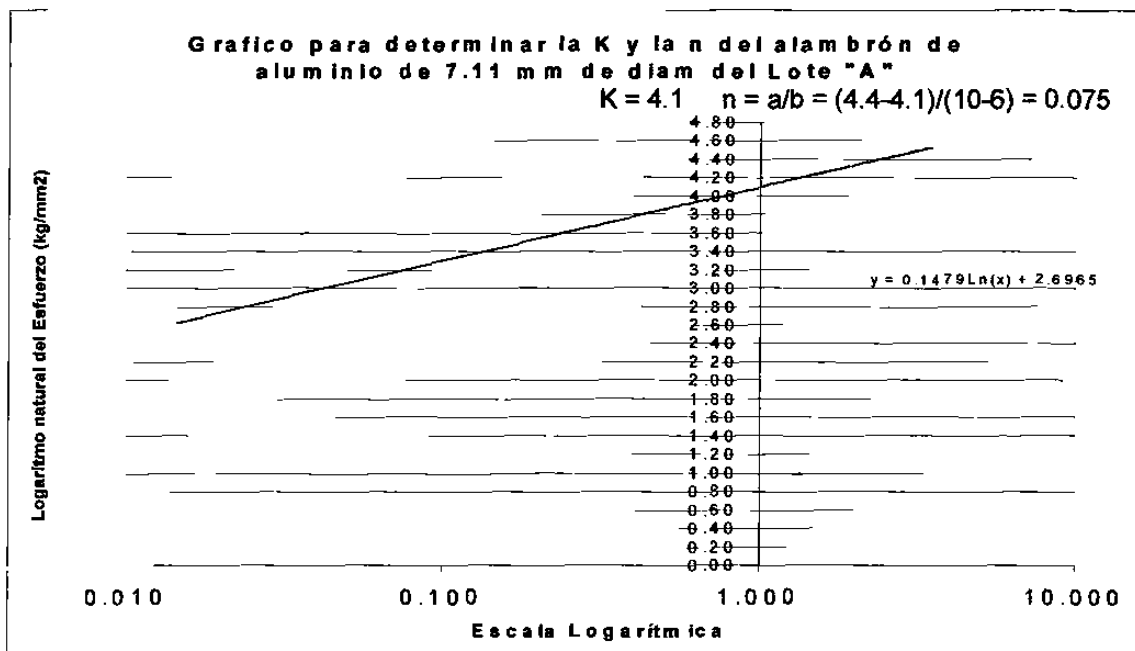


Gráfico AI-3) Determinación del valor de K y n para alambre de 7.11 mm.

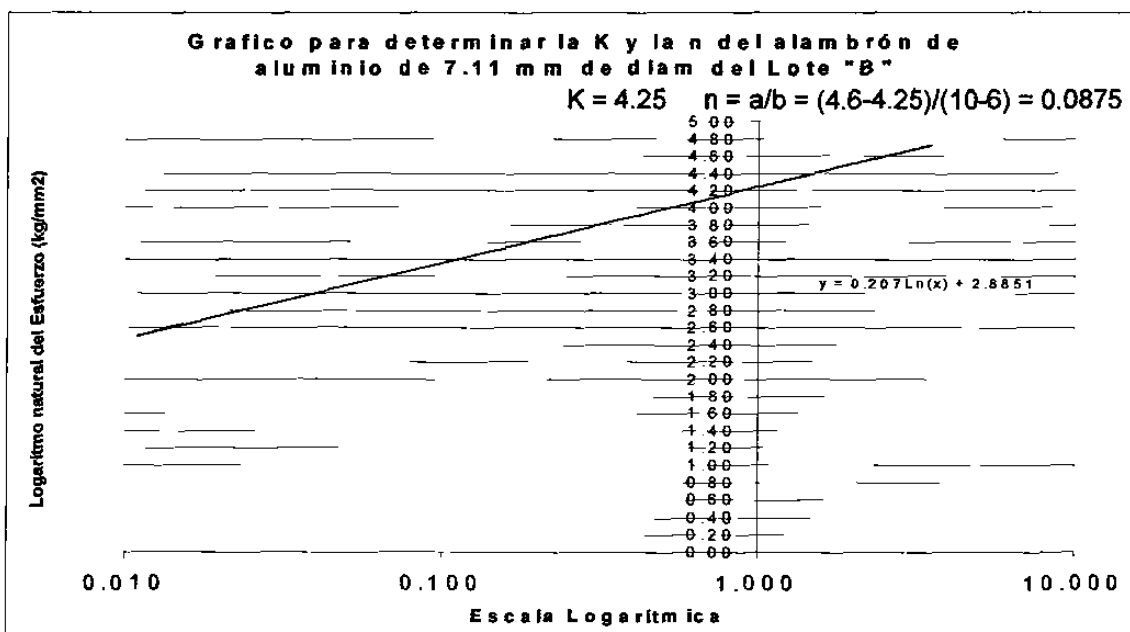


Gráfico AI-4) Determinación del valor de K y n para alambre de 7.11 mm

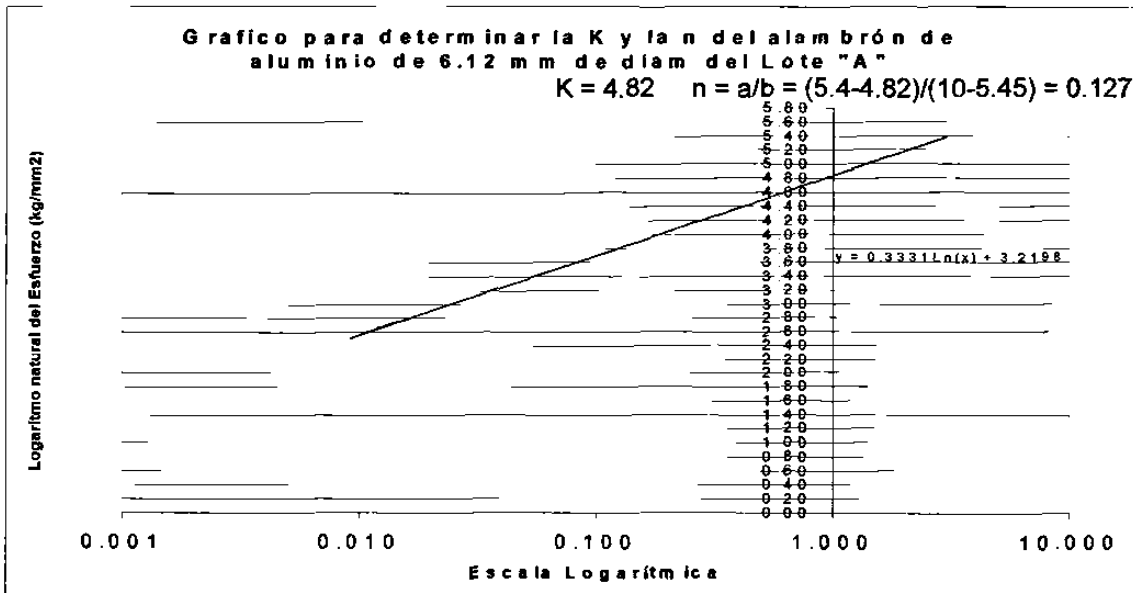


Gráfico AI-5) Determinación del valor de K y n para alambre de 6.12 mm

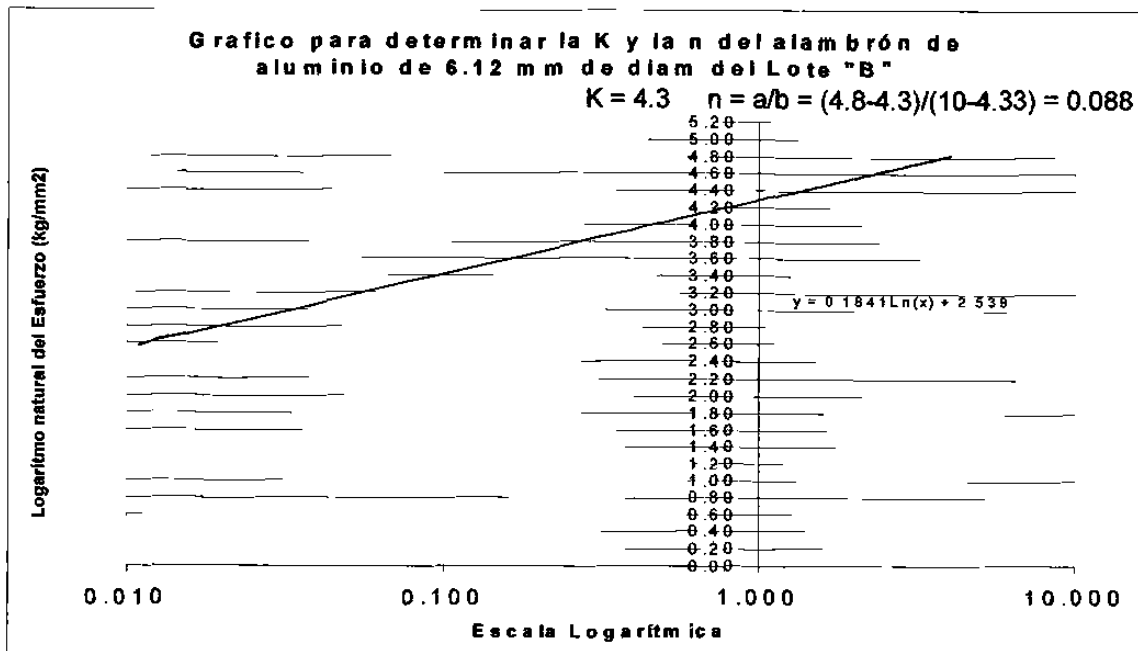


Gráfico AI-6) Determinación del valor de K y n para alambre de 6.12 mm

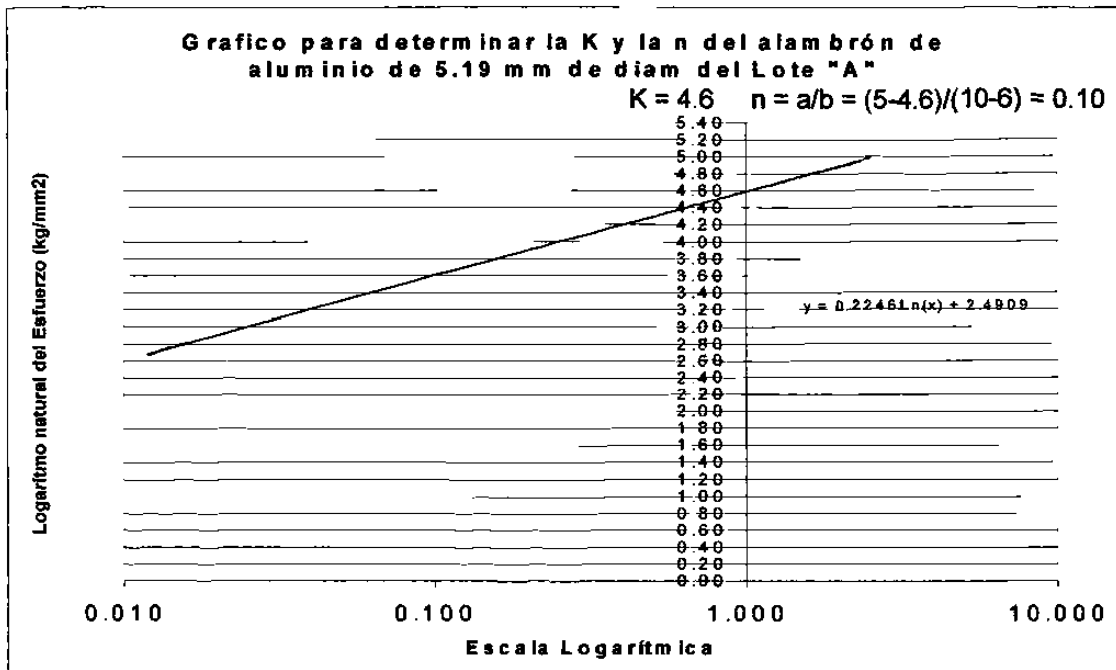


Gráfico AI-7) Determinación del valor de K y n para alambre de 5.19 mm

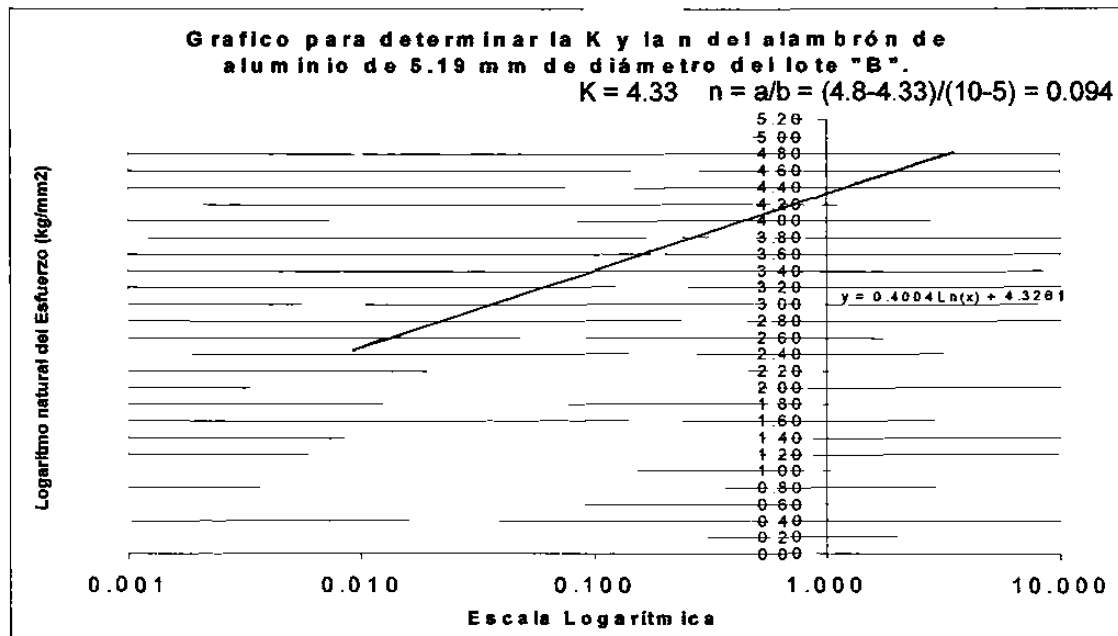


Gráfico AI-8) Determinación del valor de K y n para alambre de 5.19 mm

Apéndice II

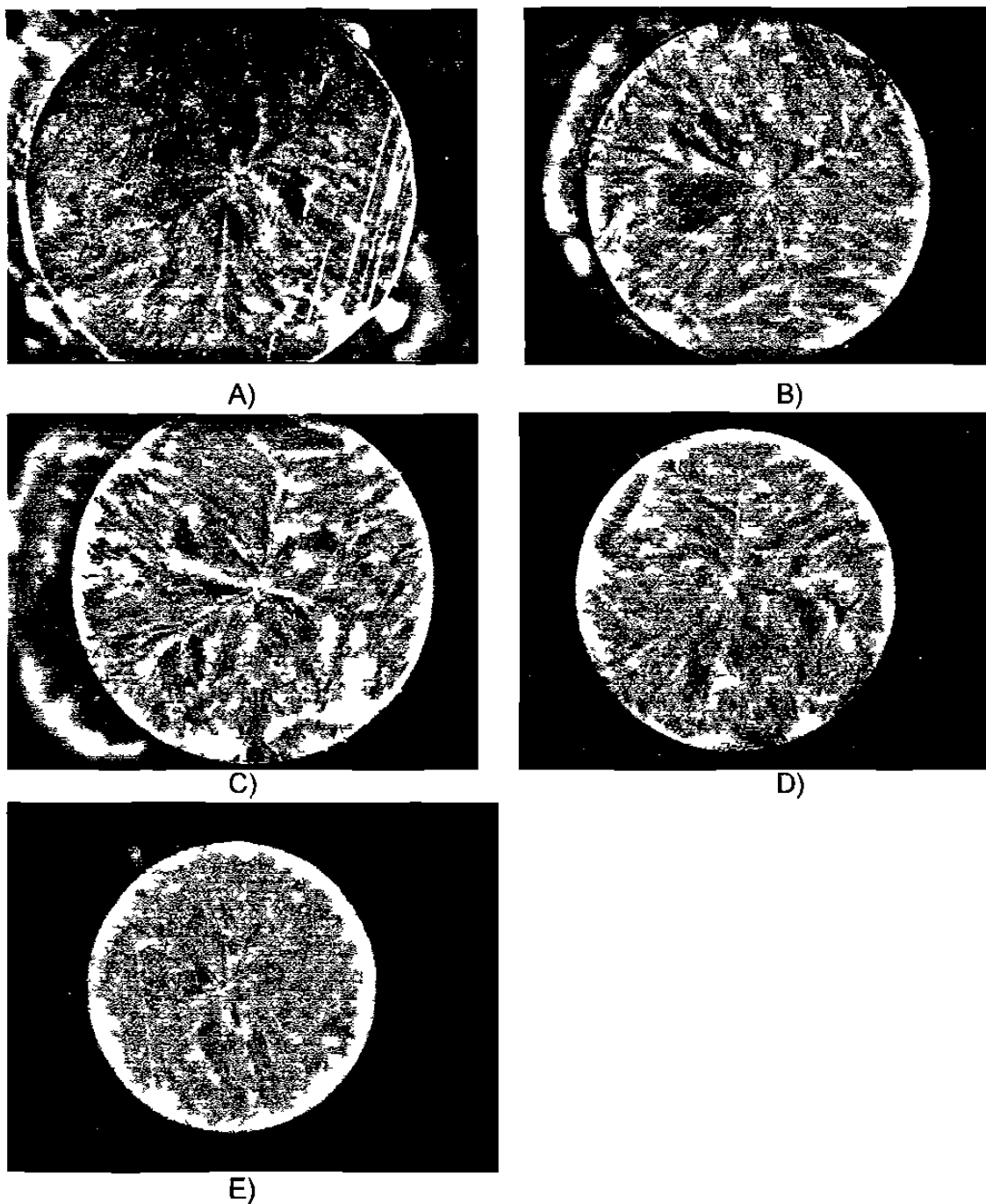


Figura All-1 Alambres del lote A, A) Alambre de 9.525 mm de diámetro, B) Alambre de 8.43 mm de diámetro, C) Alambre de 7.11 mm de diámetro, D) Alambre de 6.12 mm de diámetro, E) Alambre de 5.19 mm de diámetro.

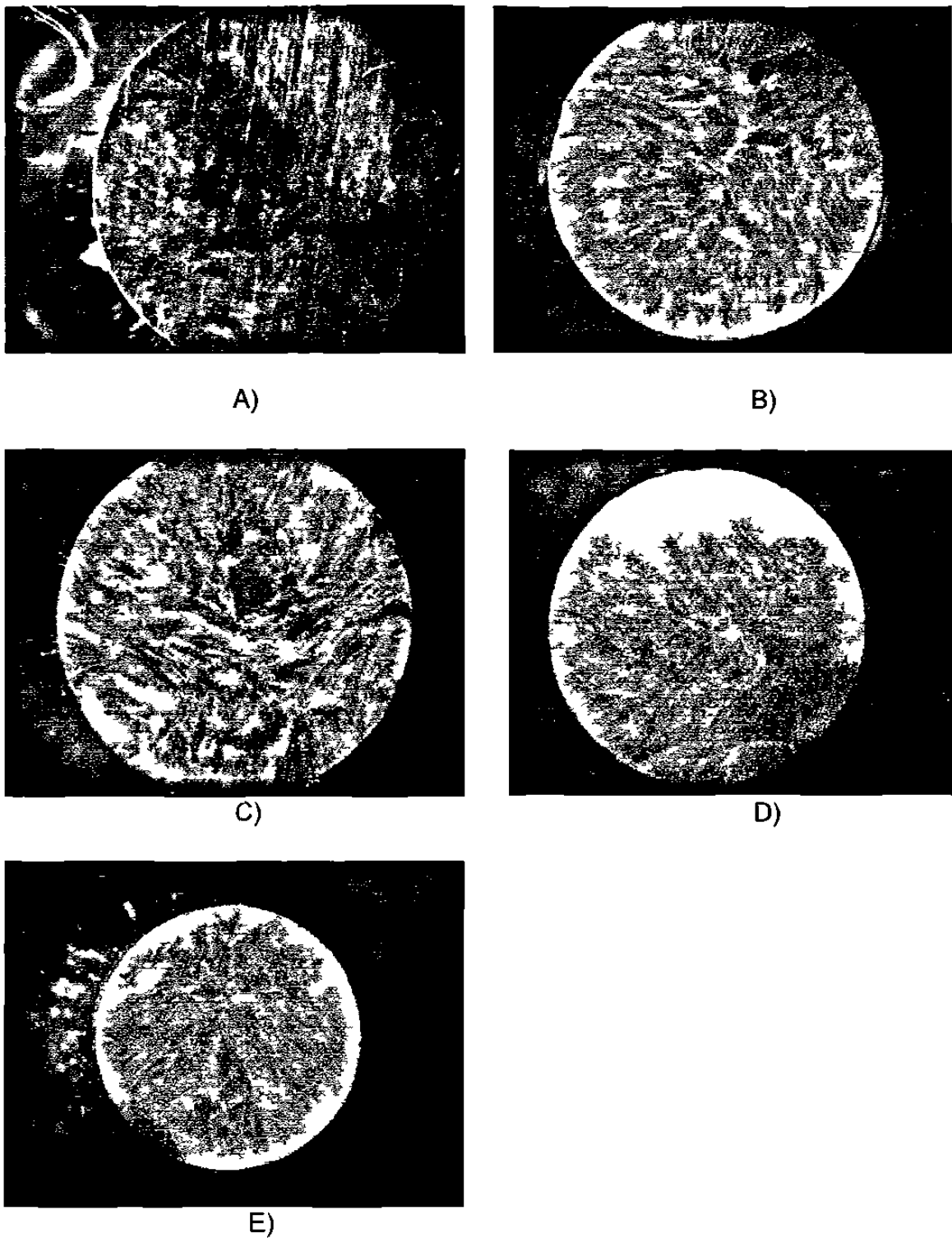


Figura AII-2 Alambres del lote B, A) Alambre de 9.525 mm de diámetro, B) Alambre de 8.43 mm de diámetro, C) Alambre de 7.11 mm de diámetro, D) Alambre de 6.12 mm de diámetro, E) Alambre de 5.19 mm de diámetro.

Apéndice III

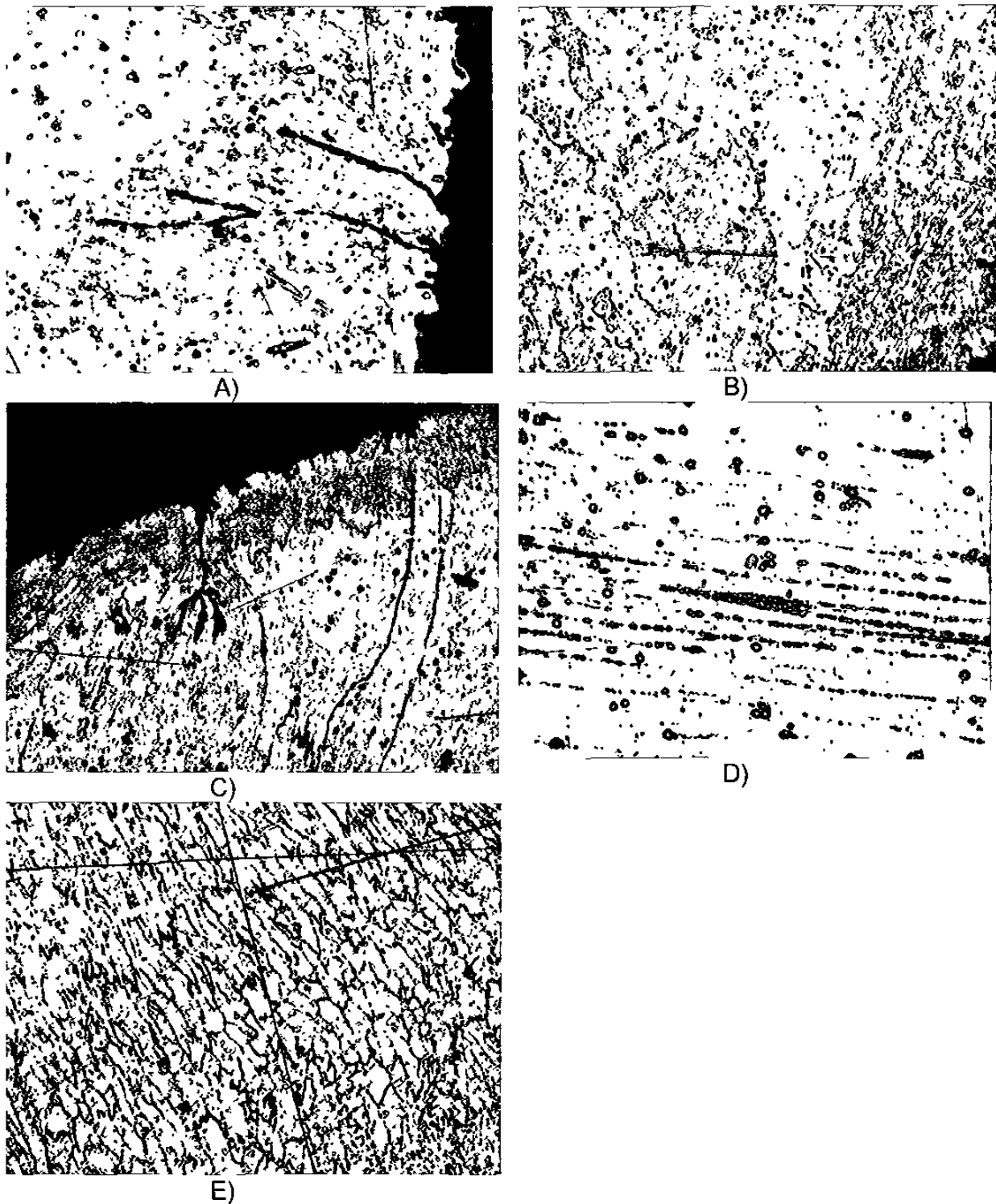


Figura AIII-1 Lote B 9.525 mm de diámetro A)500X transversal, B)200x transversal. C)200X transversal. E)200x transversal, D)500x longitudinal.

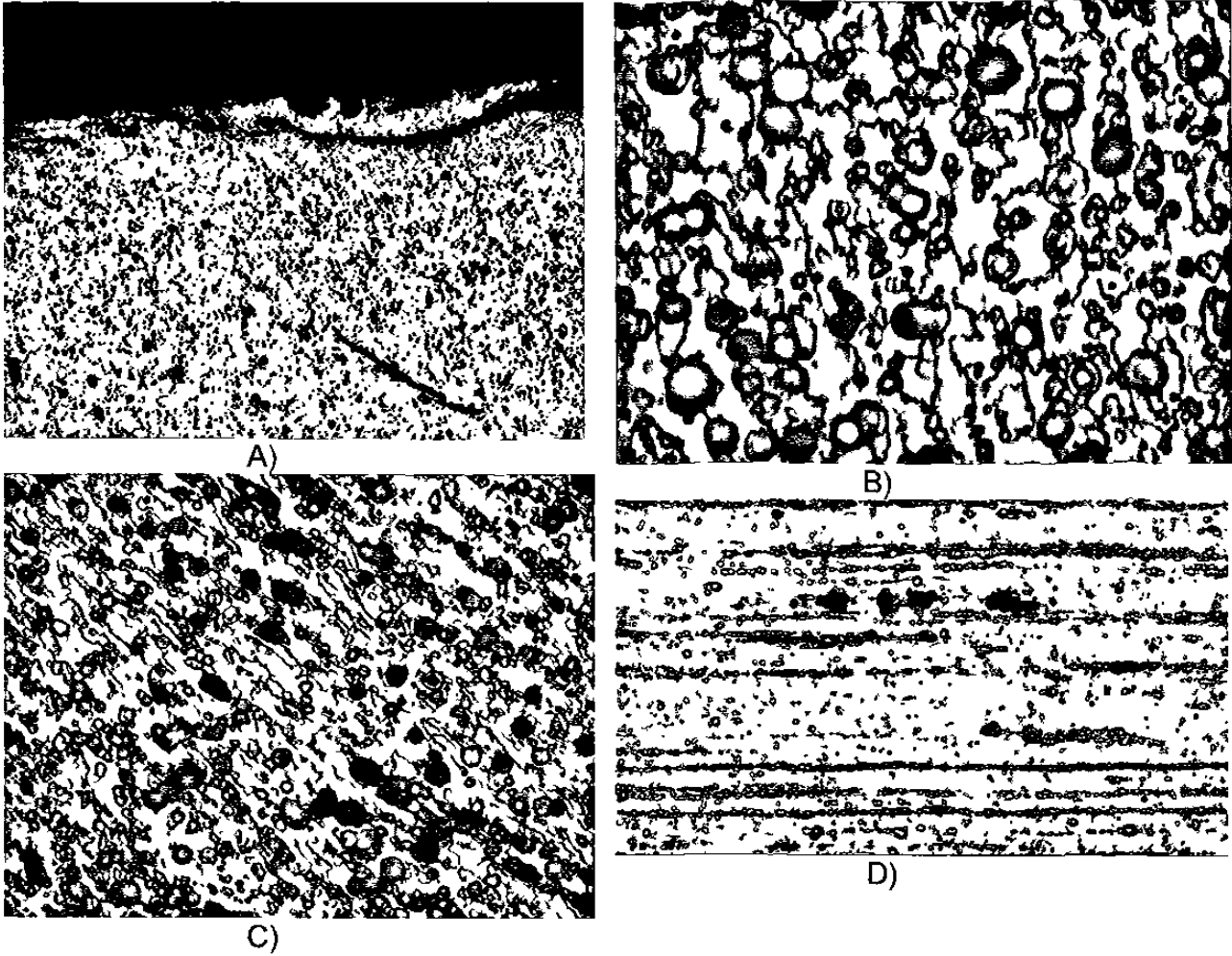


Figura AIII-2 Lote B diámetro de 8.43 mm, A) 200x transversal, B) 1000x transversal, C) 500x transversal, 500x longitudinal.

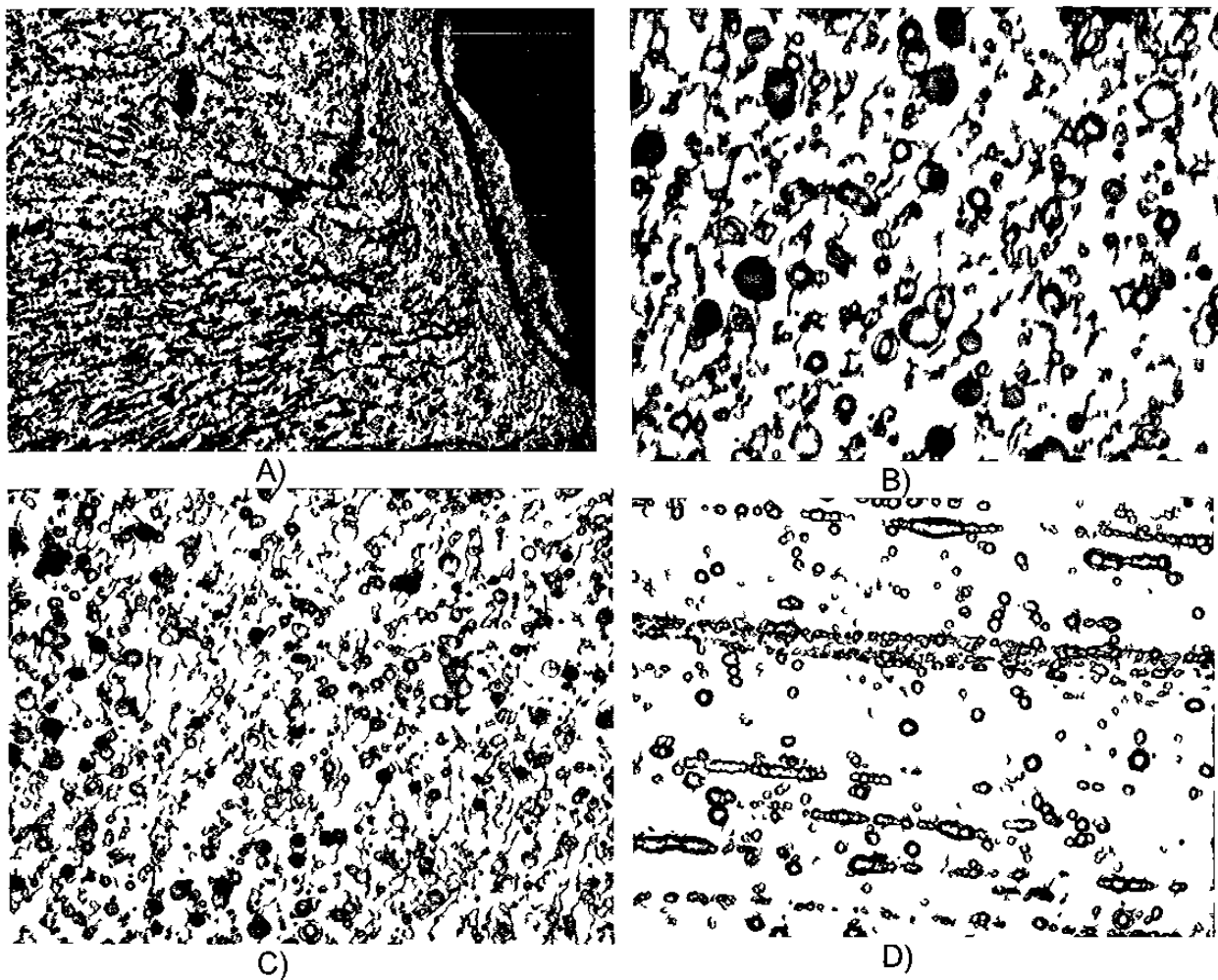


Figura AIII-3 Lote B diámetro de 7.11 mm, A) 200x transversal, B) 1000x transversal, C) 500x transversal, 500x longitudinal.

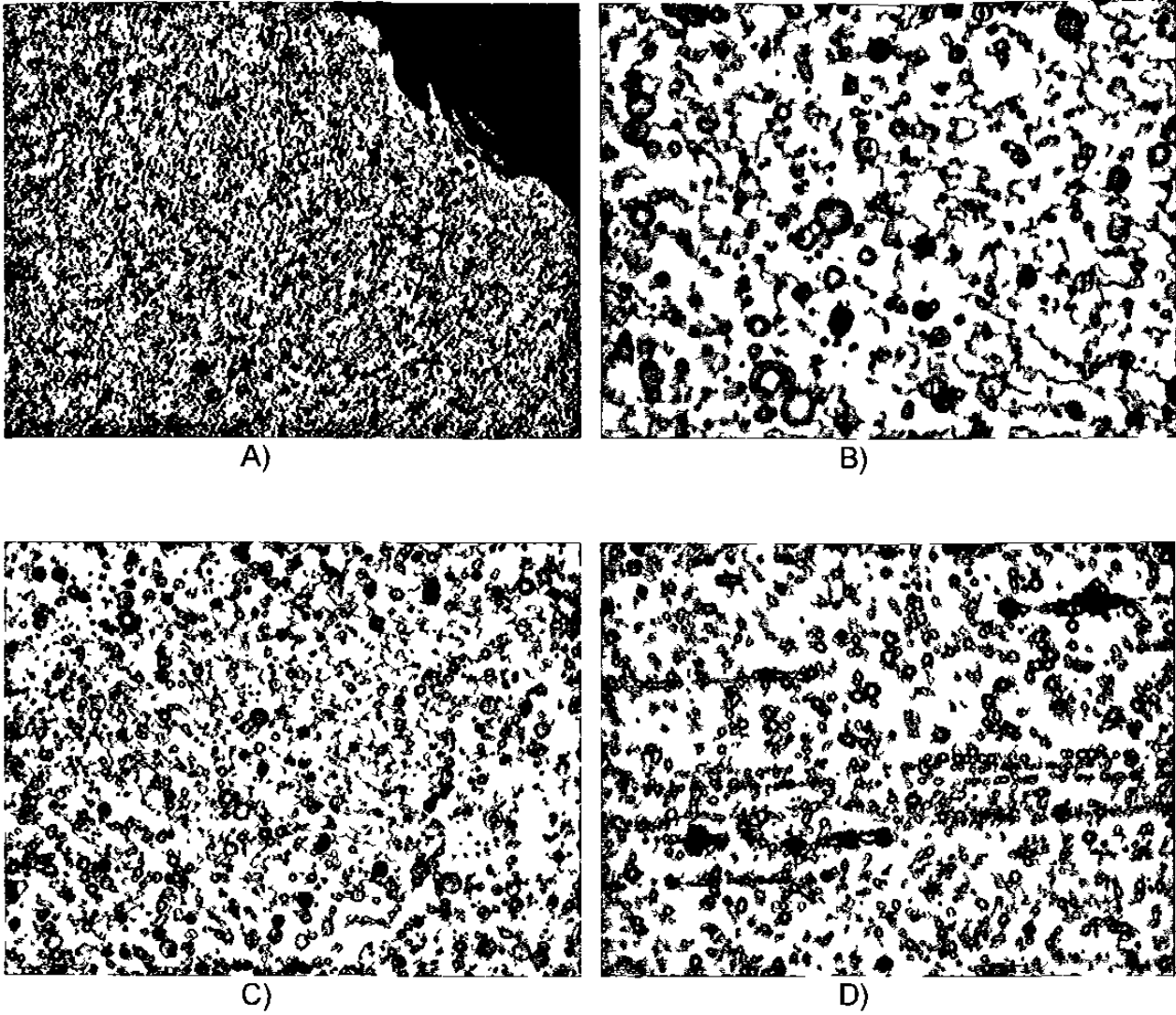


Figura AIII-4 Lote B diámetro de 6.12 mm, A) 200x transversal, B) 1000x transversal, C) 500x transversal, 500x longitudinal.

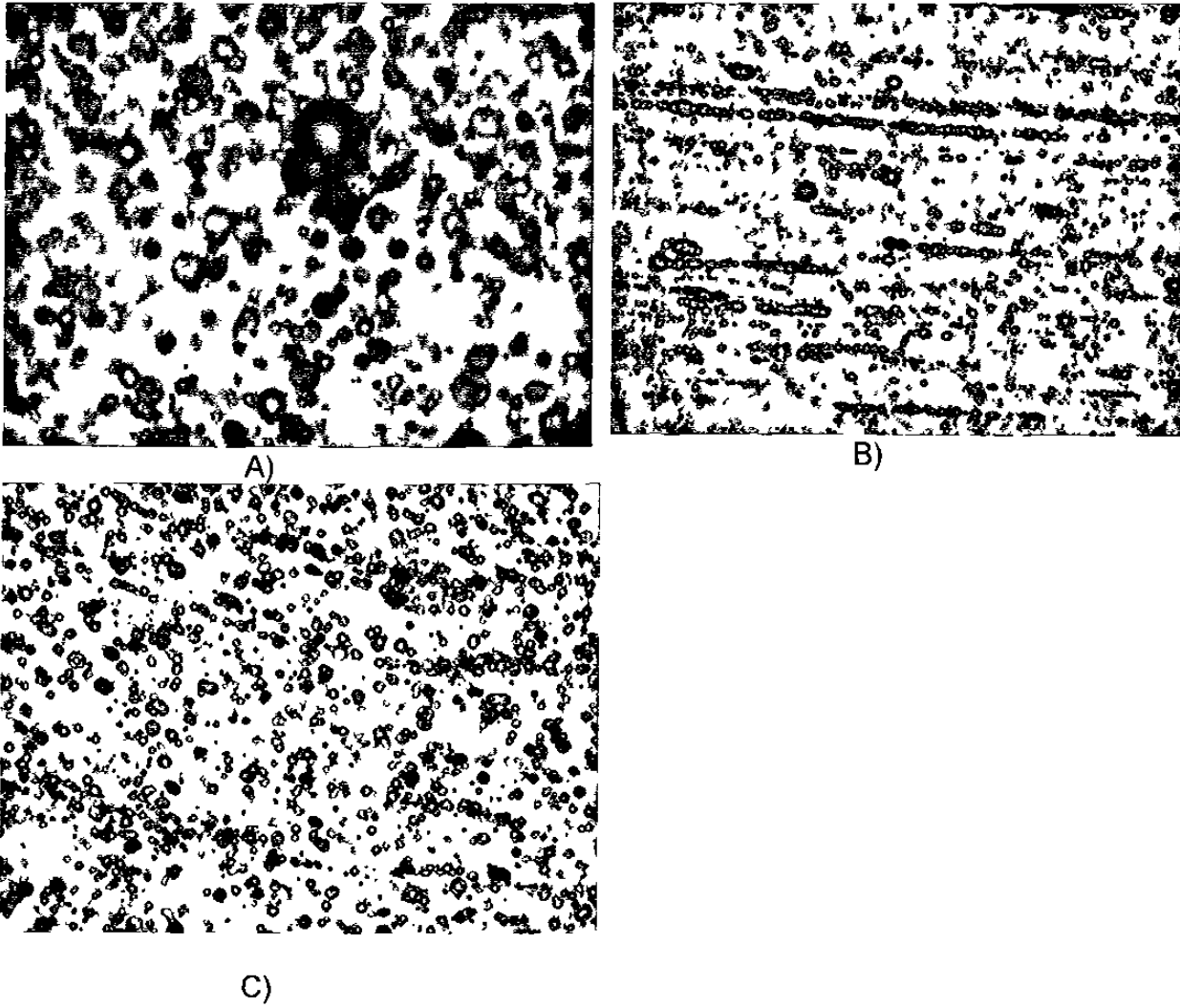


Figura AIII-5 Lote B diámetro de 5.19 mm, A) 1000x transversal, B) 500x longitudinal C) 500x transversal.

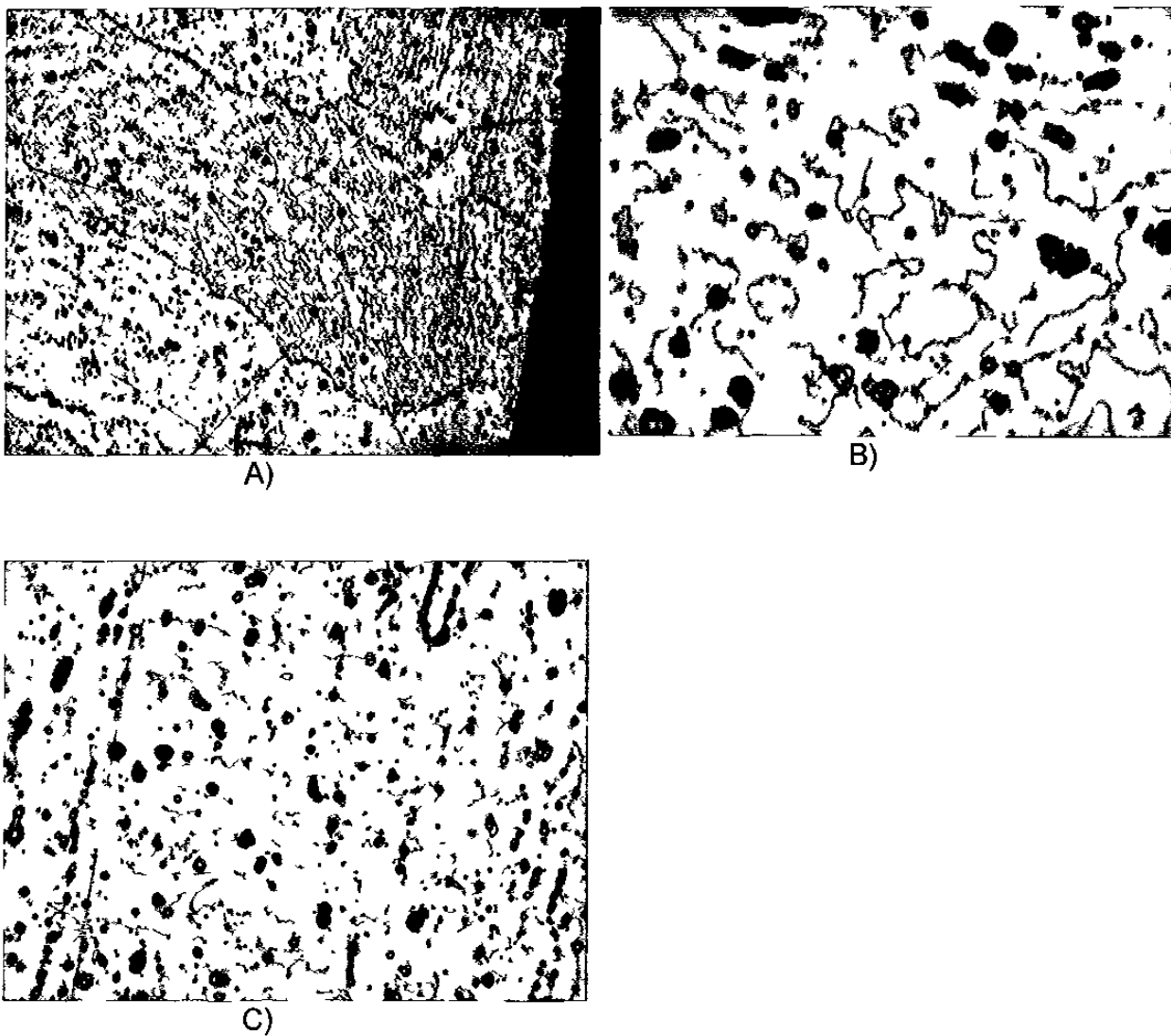


Figura AIII-6 Lote A diámetro de 9.525 mm, A) 200x transversal, B) 1000x transversal
C) 500x transversal,.

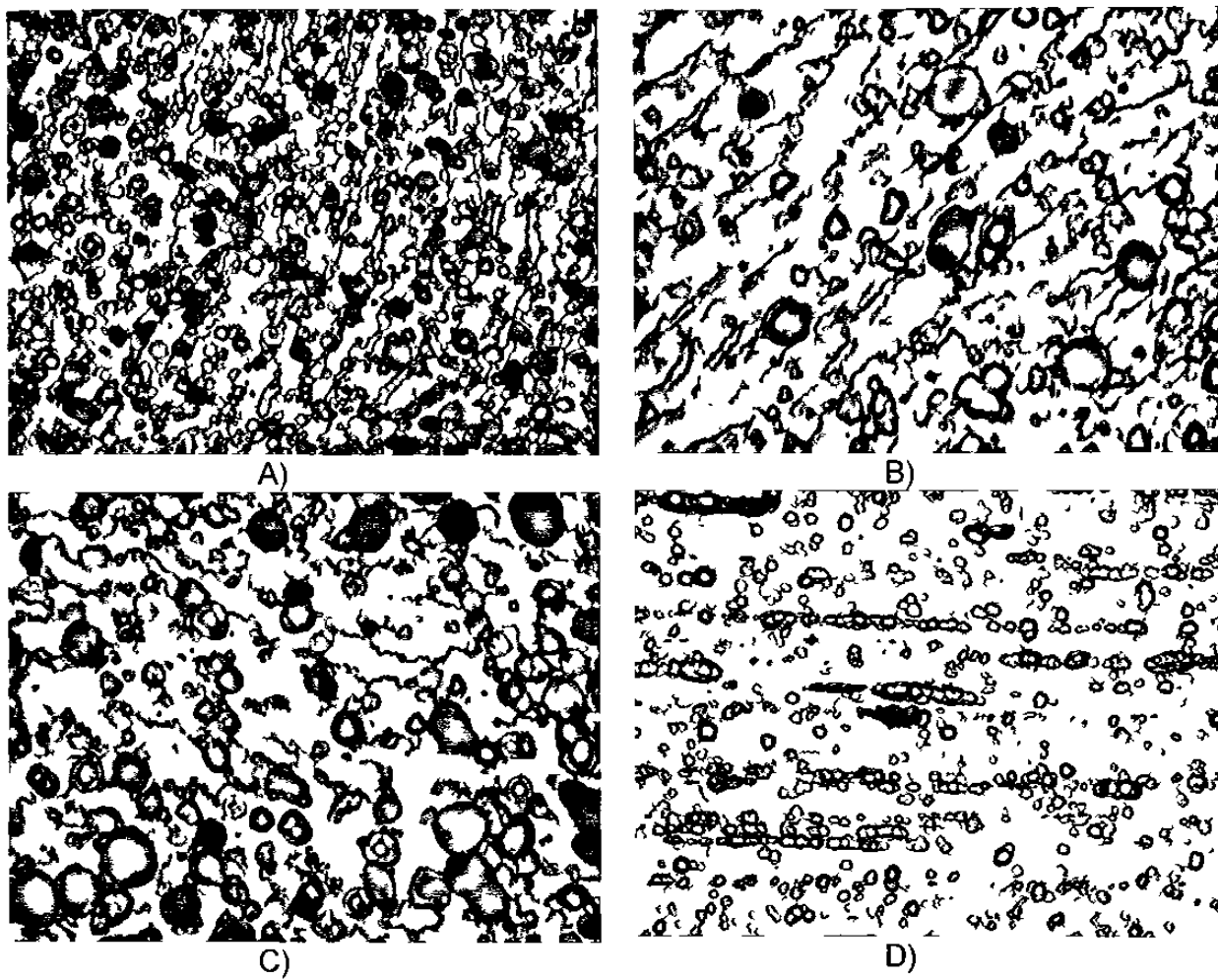
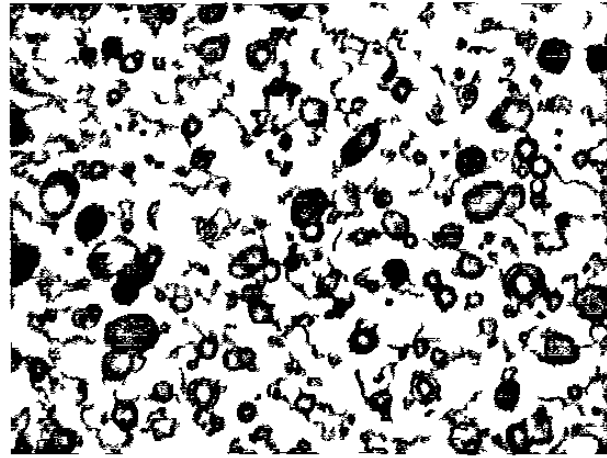


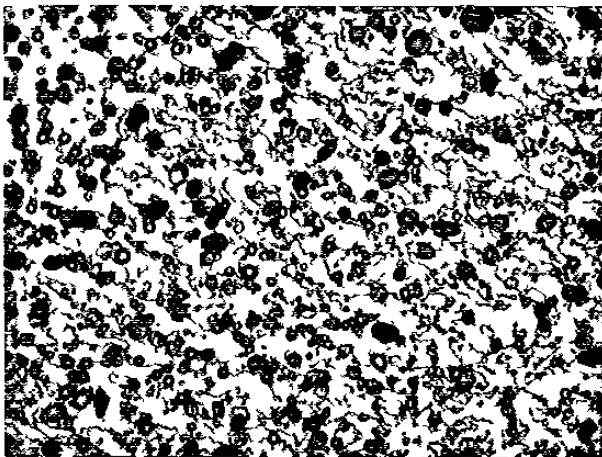
Figura AIII-7 Lote A diámetro de 8.43 mm, A) 500x transversal, B) 1000x transversal
C) 1000x transversal, D) 500x longitudinal.



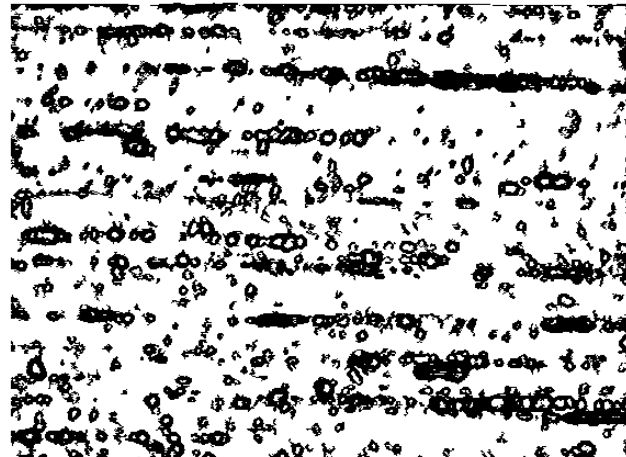
A)



B)



C)



D)

Figura AIII-8 Lote A diámetro de 7.11 mm, A) 200x transversal, B) 1000x transversal
C) 500x transversal, D) 500x longitudinal.

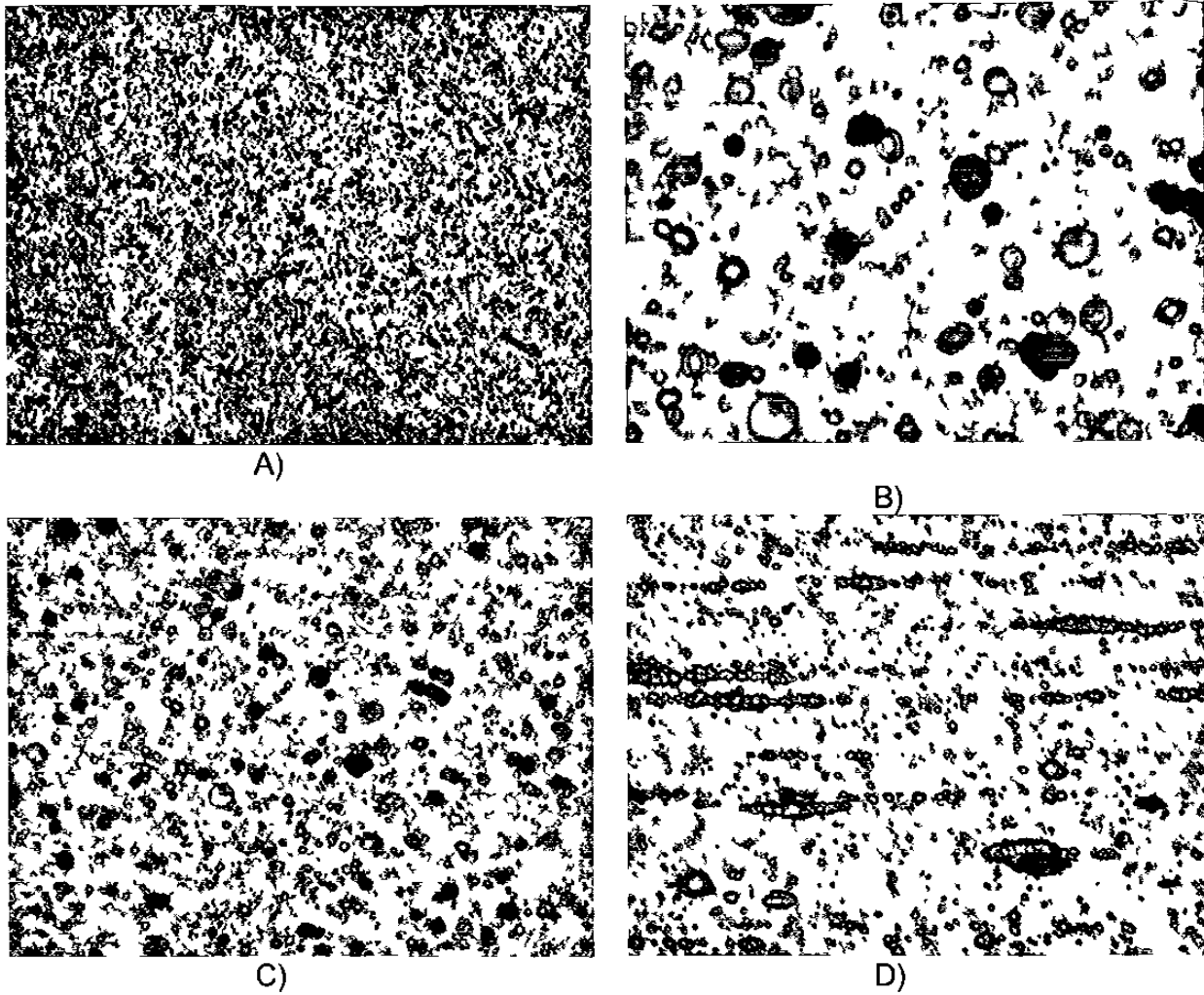


Figura AIII-9 Lote A diámetro de 6.12 mm, A) 200x transversal, B) 1000x transversal
C) 500x transversal, D) 500x longitudinal.

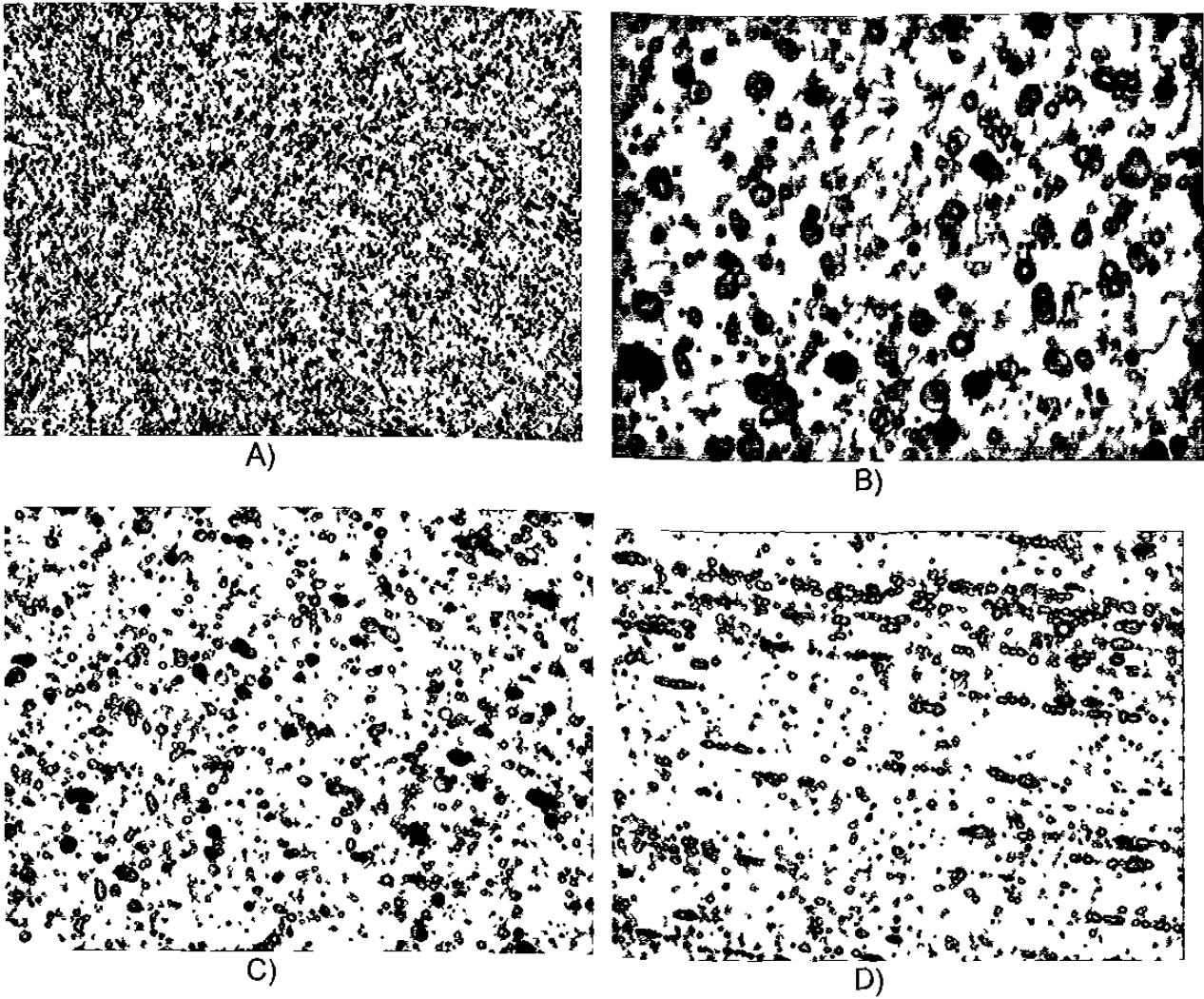
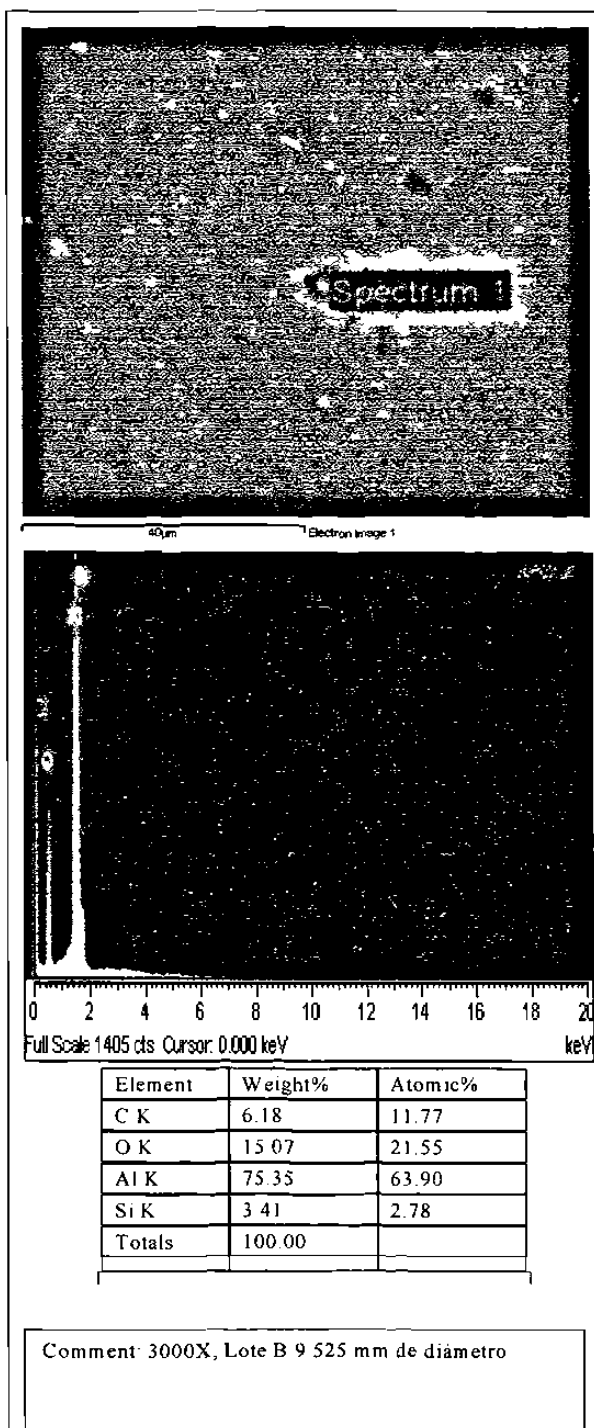
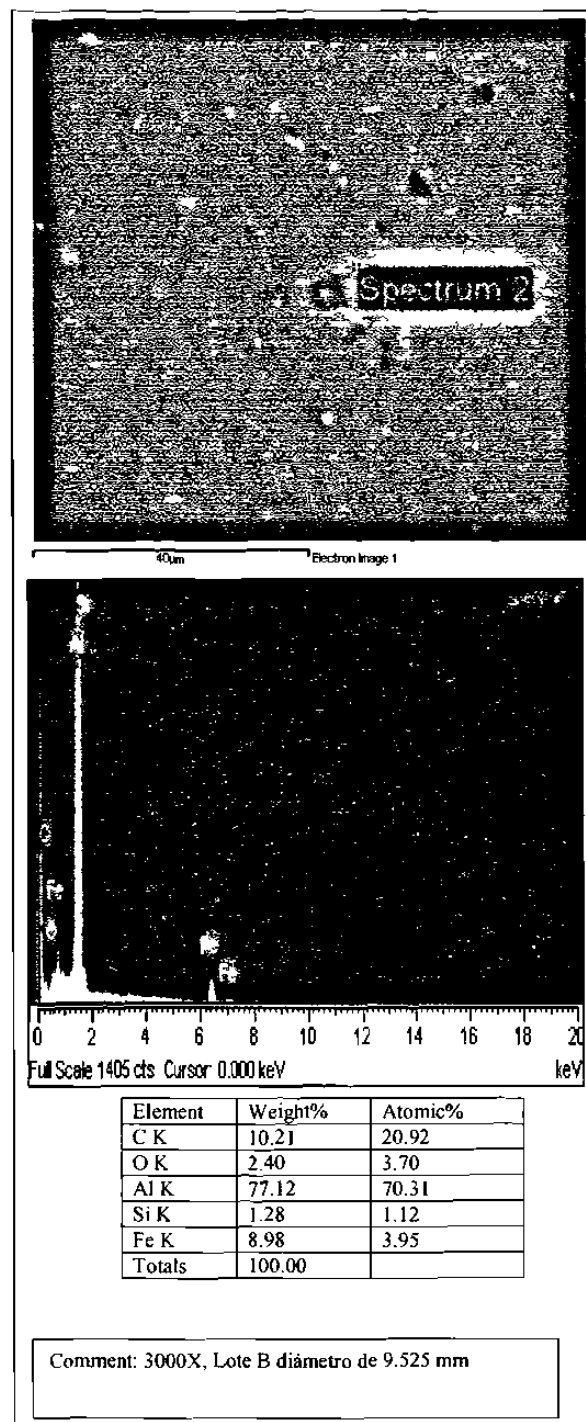


Figura AIII-10 Lote A diámetro de 5.19 mm, A) 200x transversal, B) 1000x transversal
C) 500x transversal, D) 500x longitudinal.

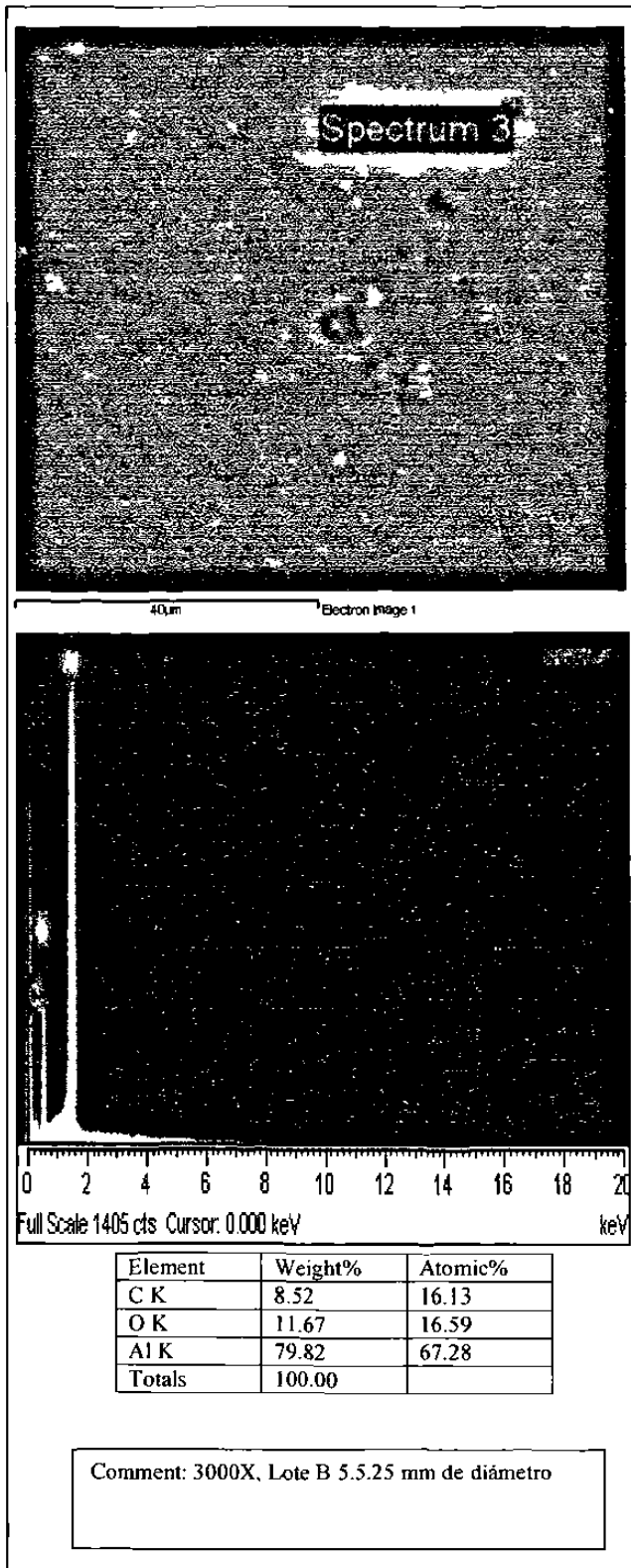
Apéndice IV



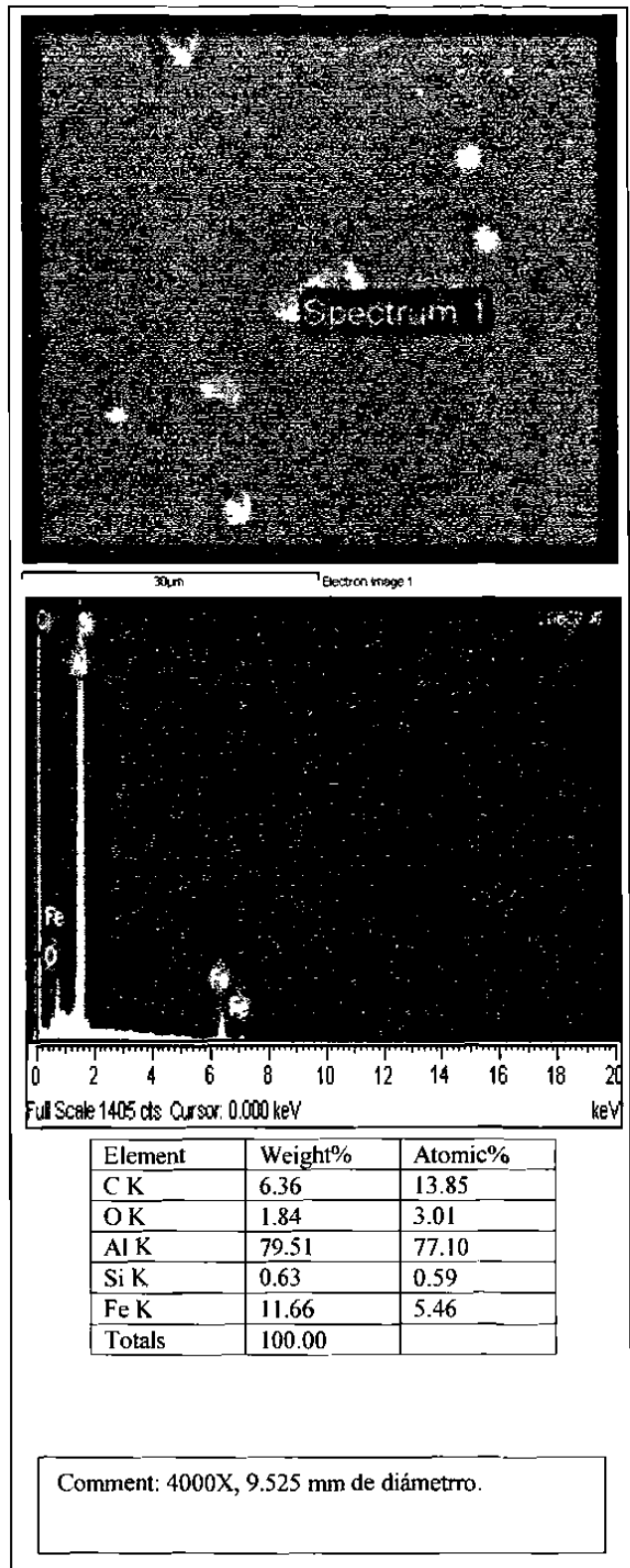
A)



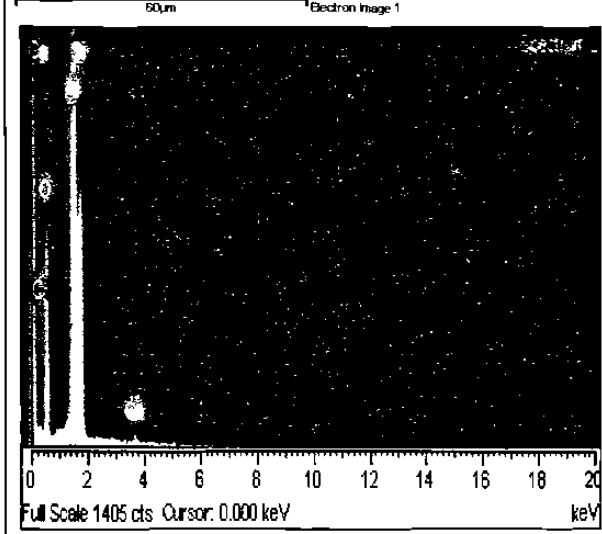
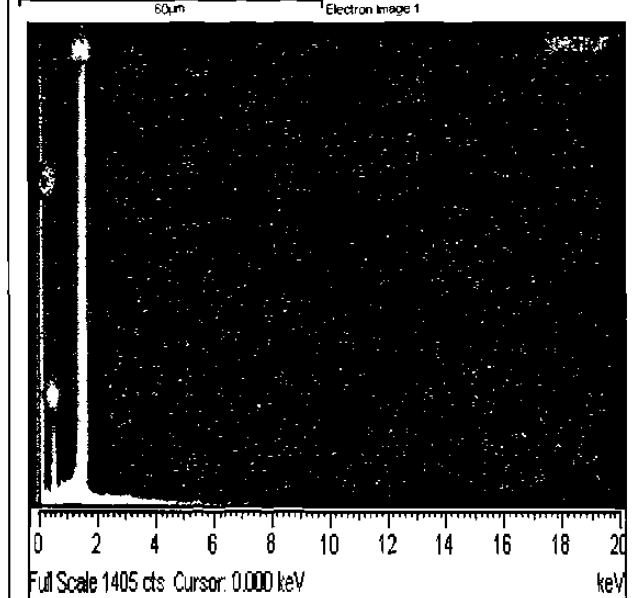
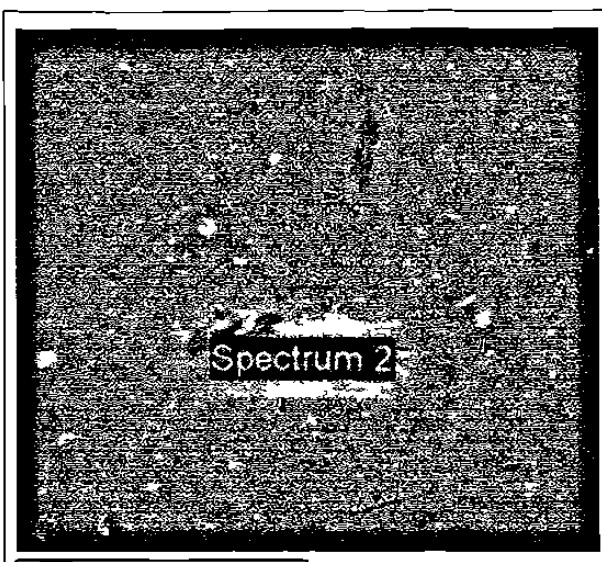
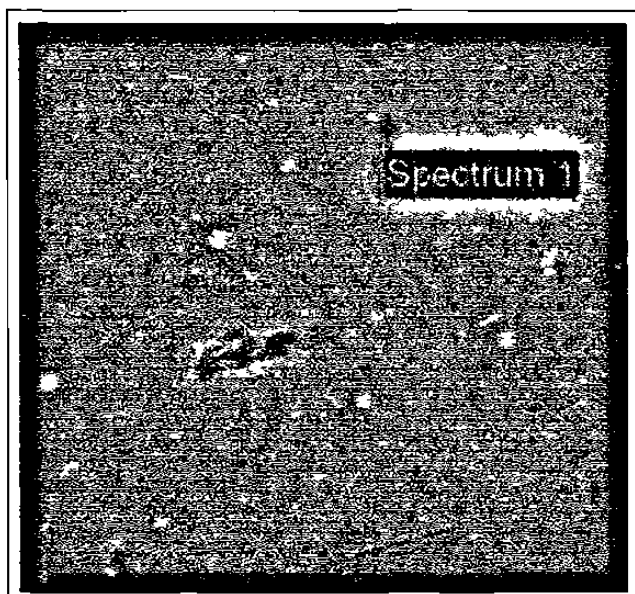
B)



C)



D)



Element	Weight%	Atomic%
C K	9.06	17.59
O K	6.42	9.36
Al K	84.52	73.05
Totals	100.00	

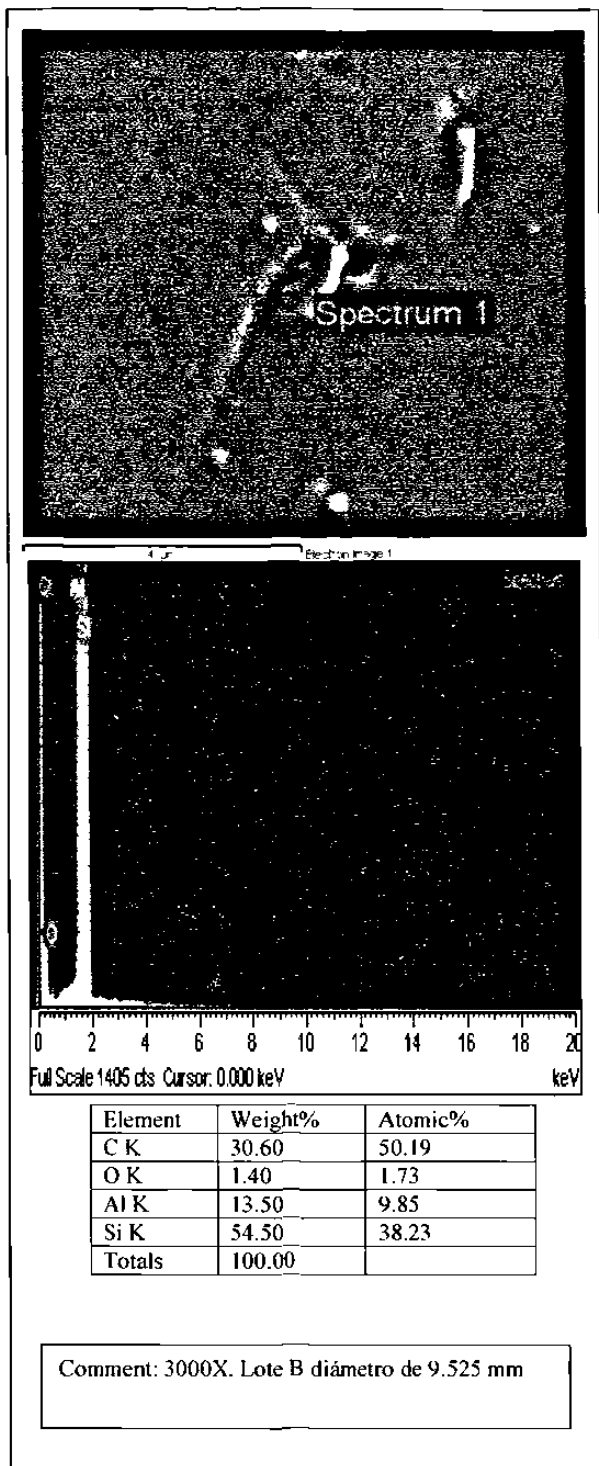
Element	Weight%	Atomic%
C K	9.36	16.74
O K	21.41	28.74
Al K	55.08	43.85
Si K	13.47	10.30
Ca K	0.68	0.36
Totals	100.00	

Comment: 2000X, Lote B 9.525 mm de diámetro

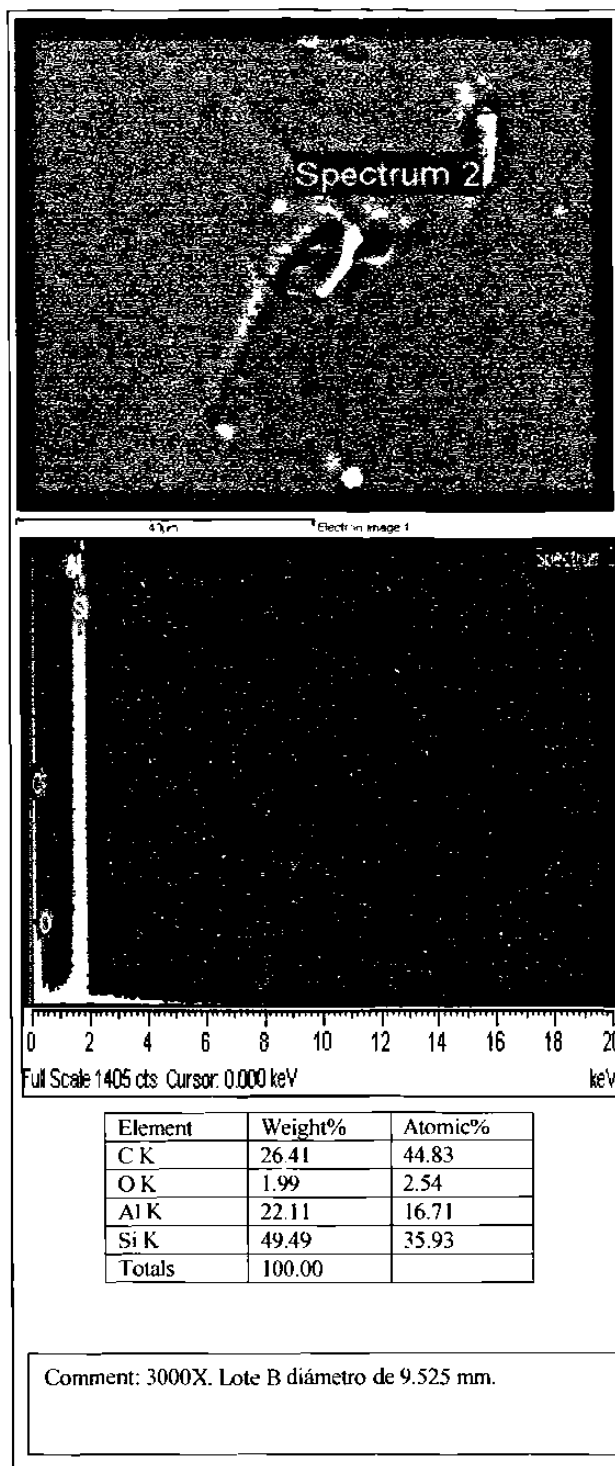
Comment: 3000X, Lote B 9.525 mm de diámetro

E)

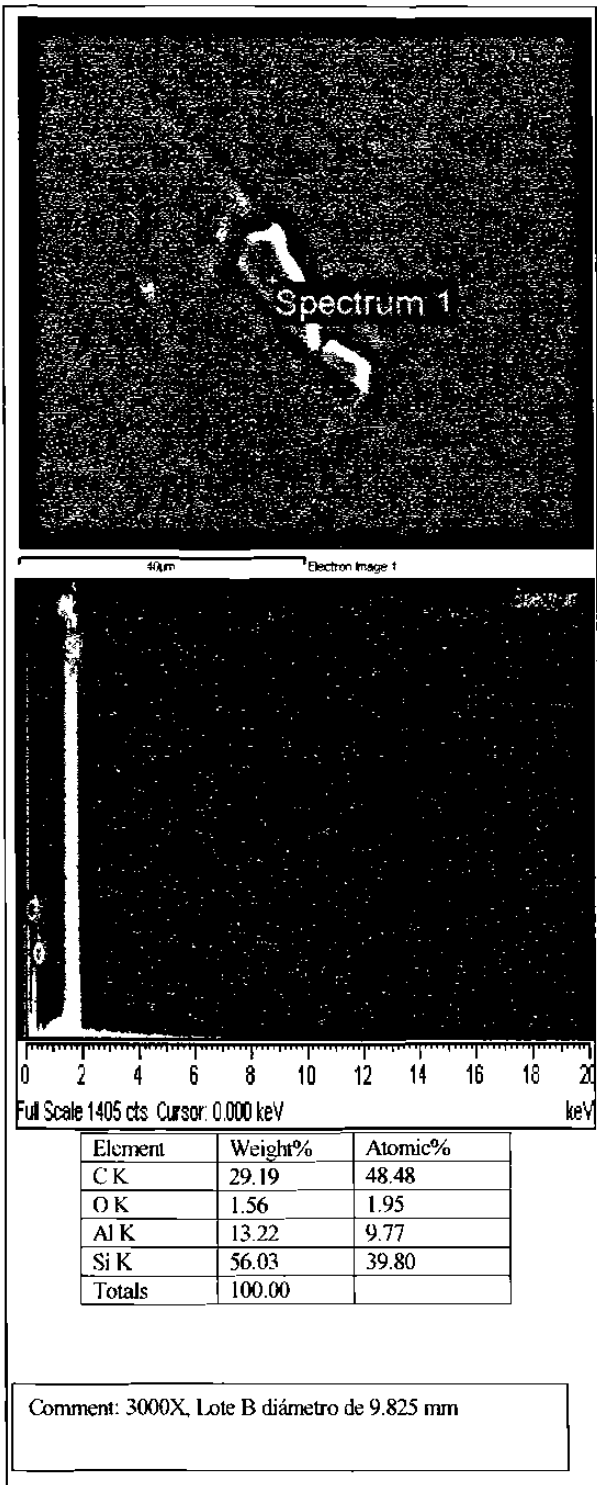
F)



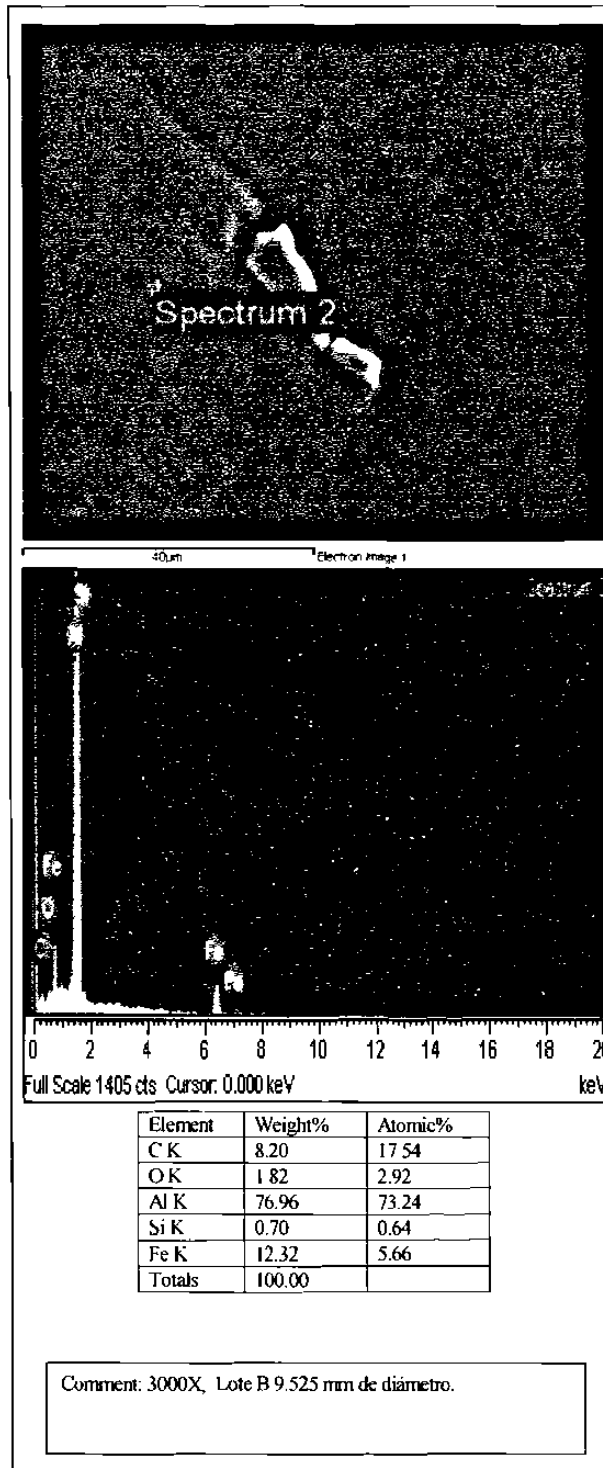
G)



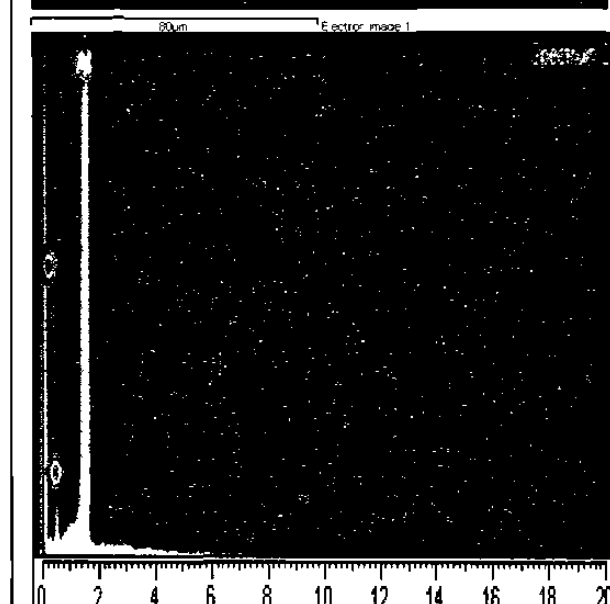
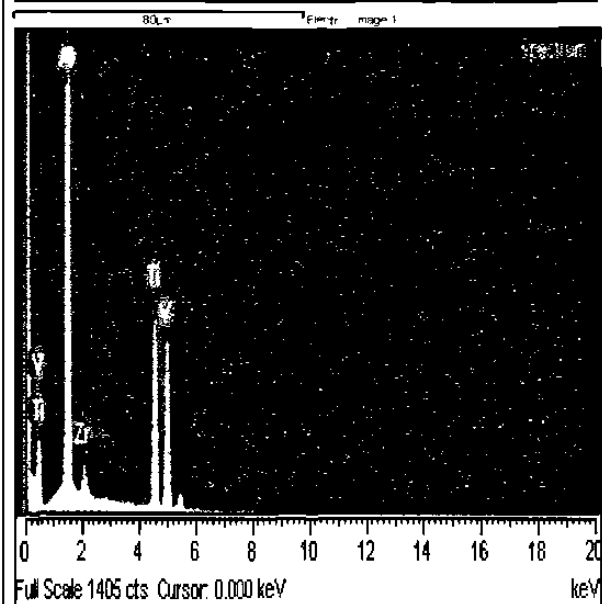
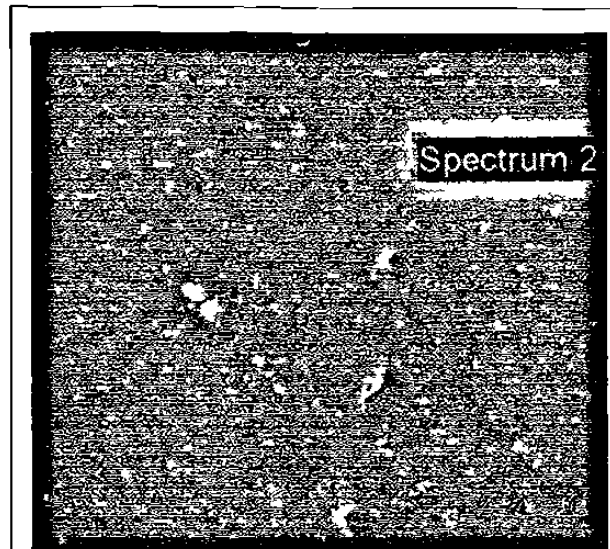
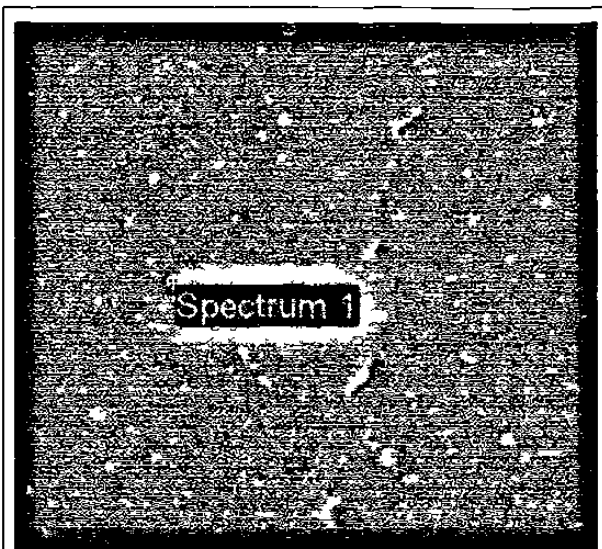
H)



I)



J)



Element	Weight%	Atomic%
Al K	33.54	48.61
Ti K	32.29	26.36
V K	30.61	23.50
Zr L	3.55	1.52
Totals	100.00	

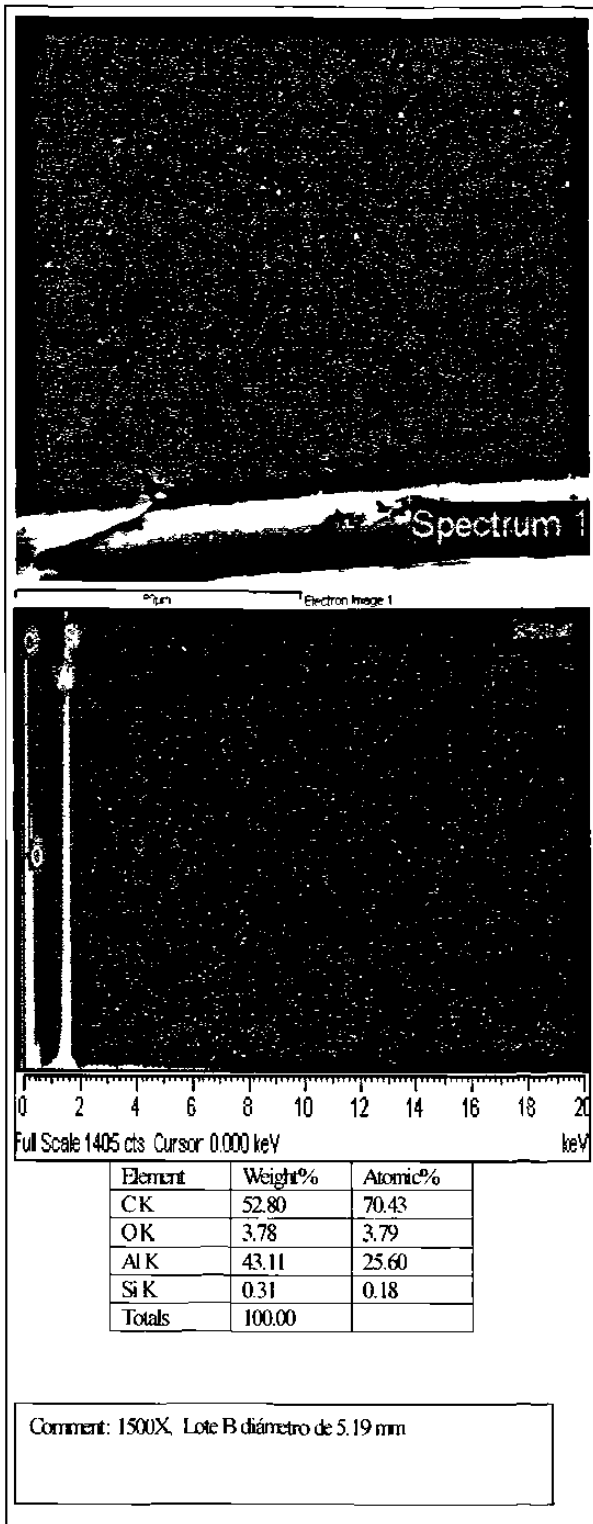
Element	Weight%	Atomic%
C K	7.68	15.44
O K	3.25	4.90
Al K	89.07	79.67
Totals	100.00	

Comment: 1600X, Lote B 5.19 mm de diámetro

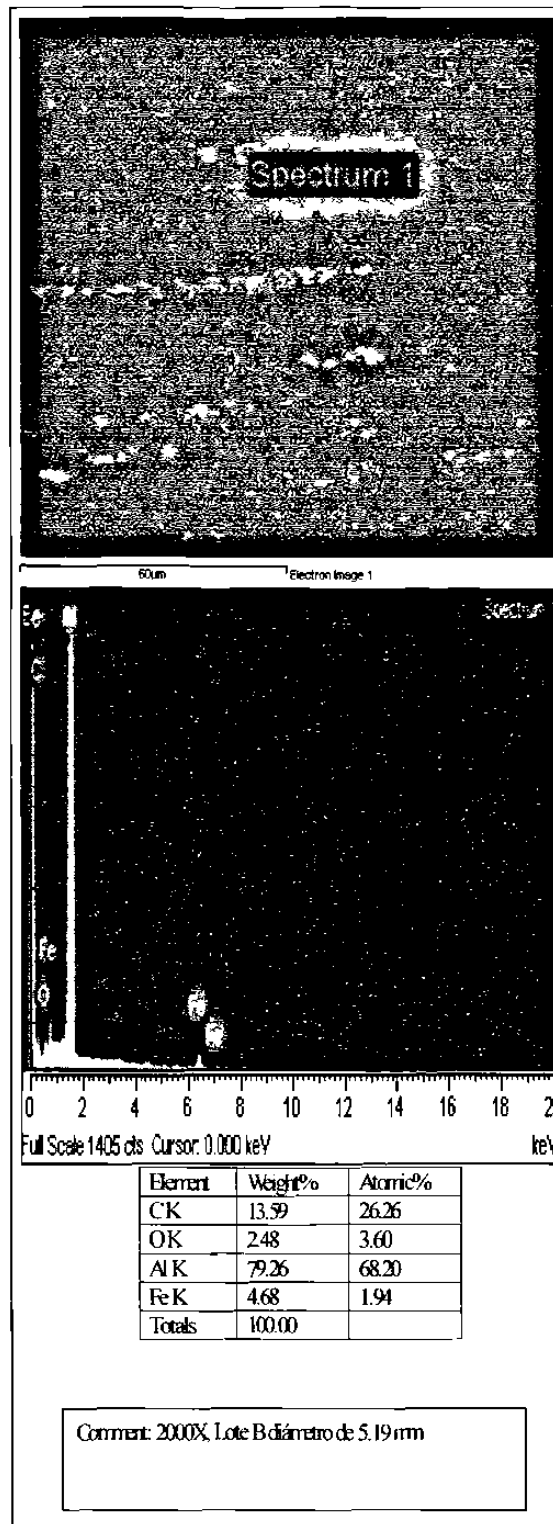
Comment: 1600X, Lote B diámetro de 5.19 mm

K)

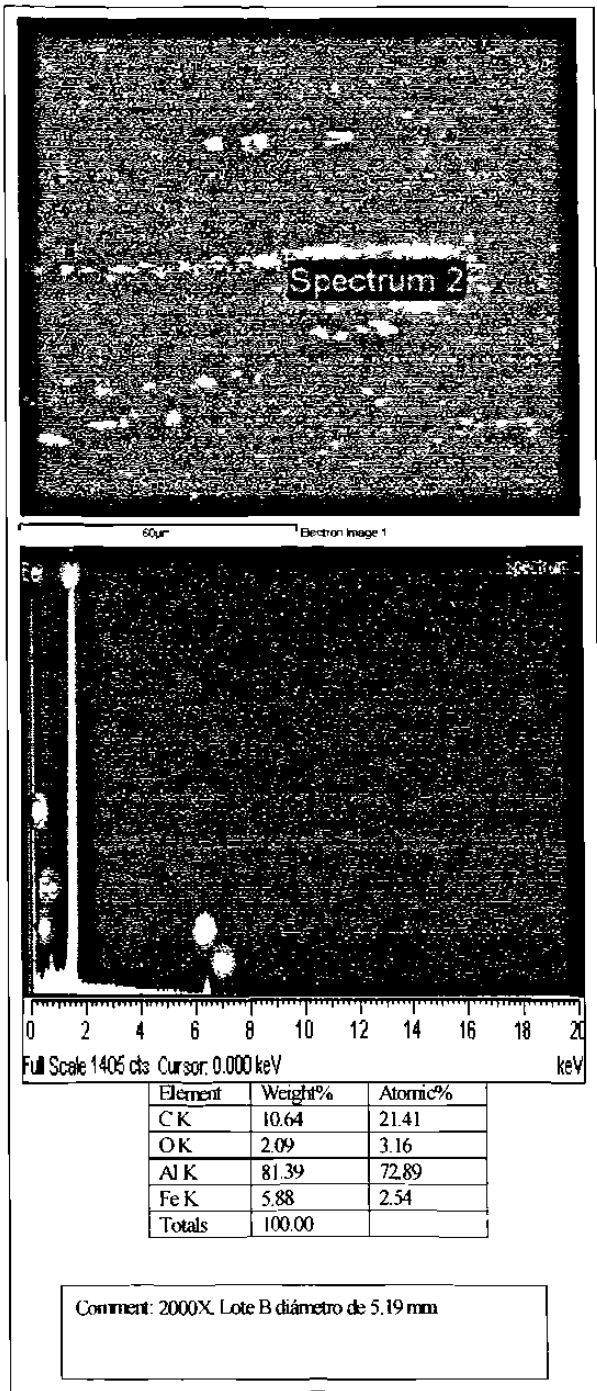
L)



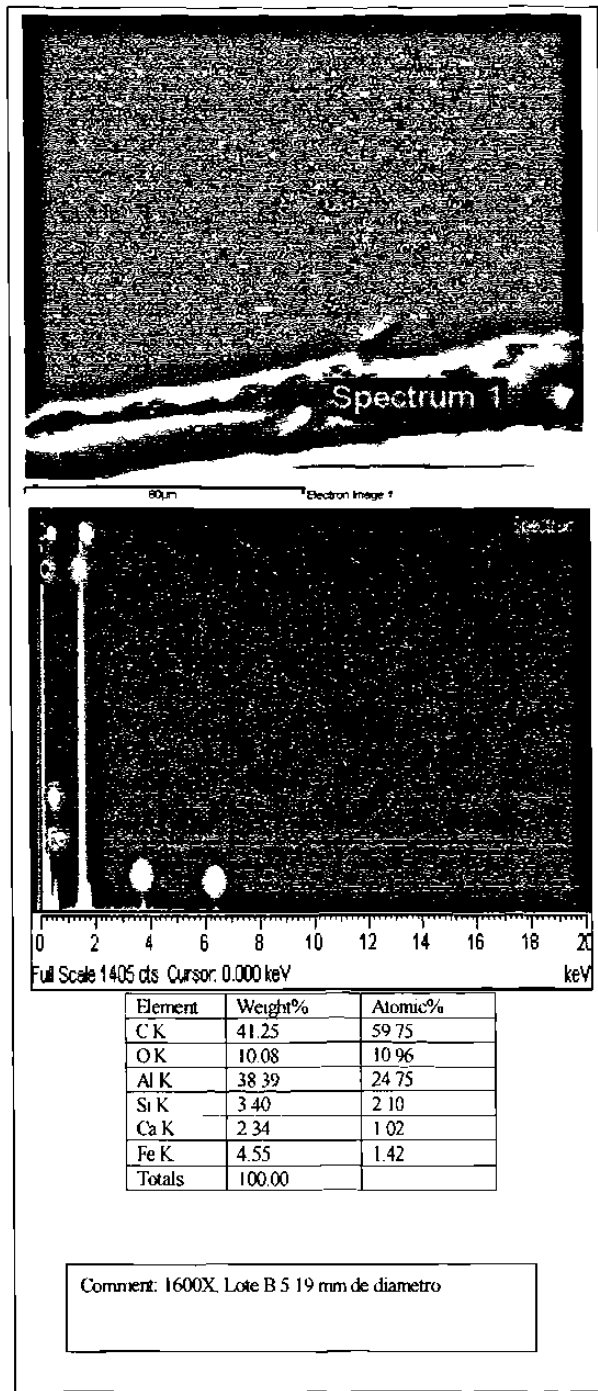
M)



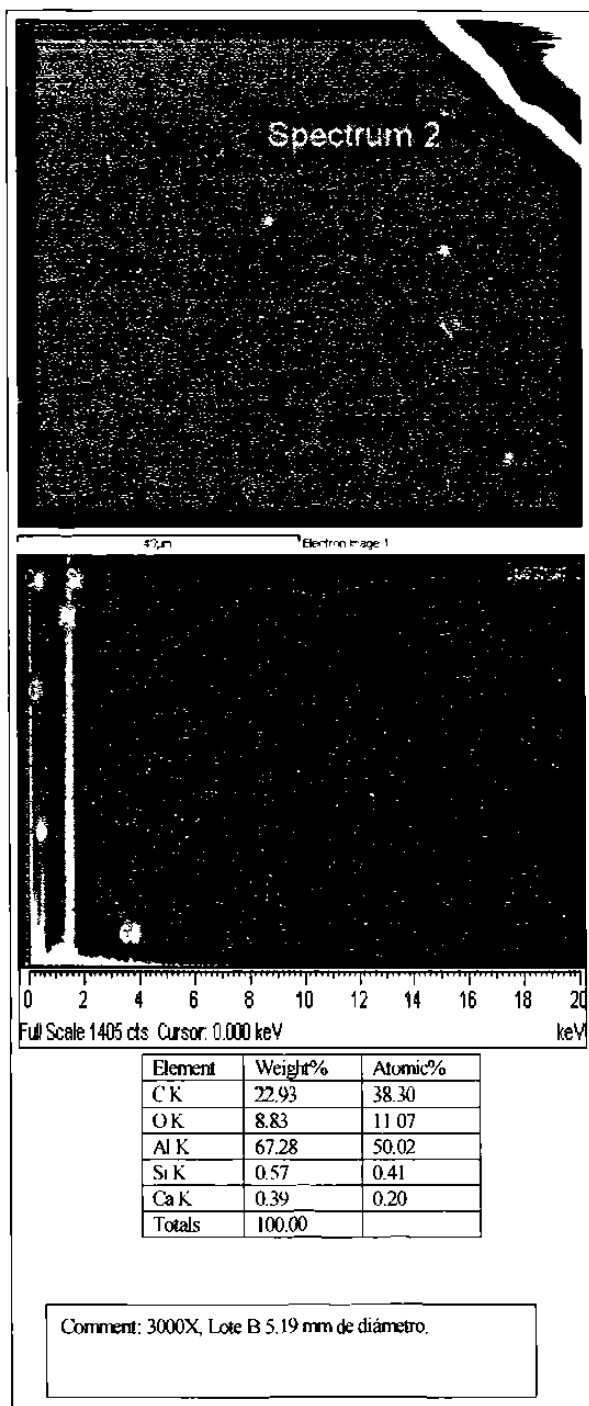
N)



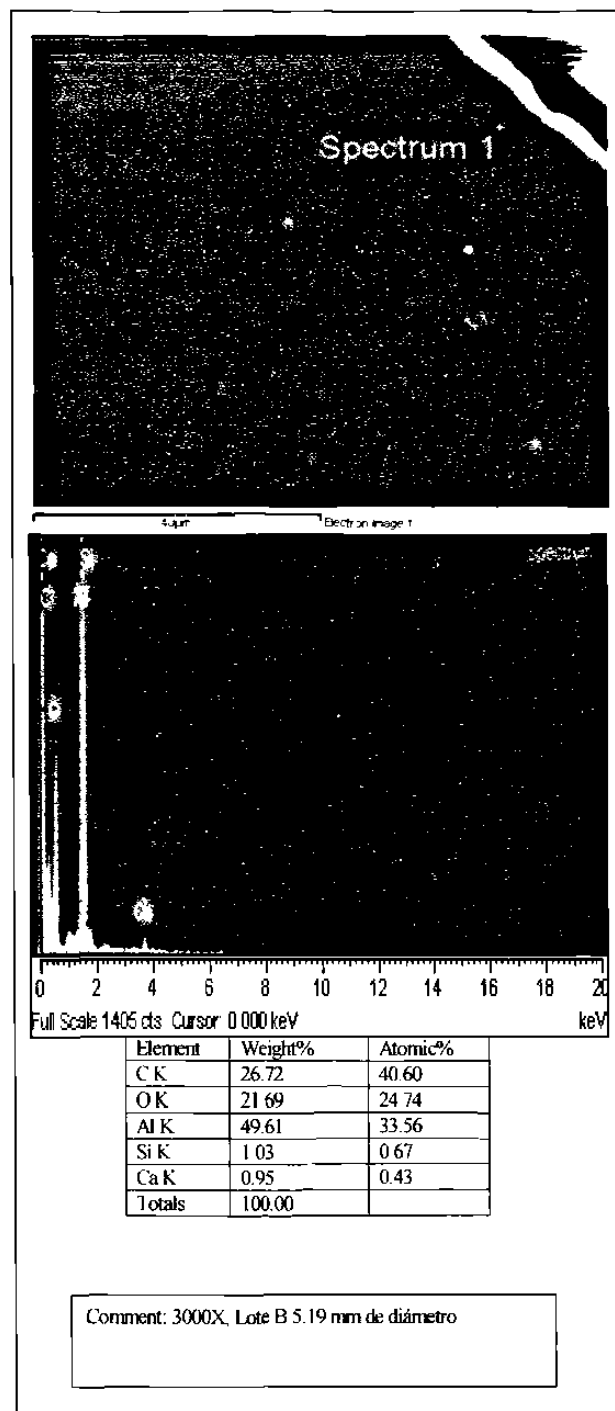
O)



P)

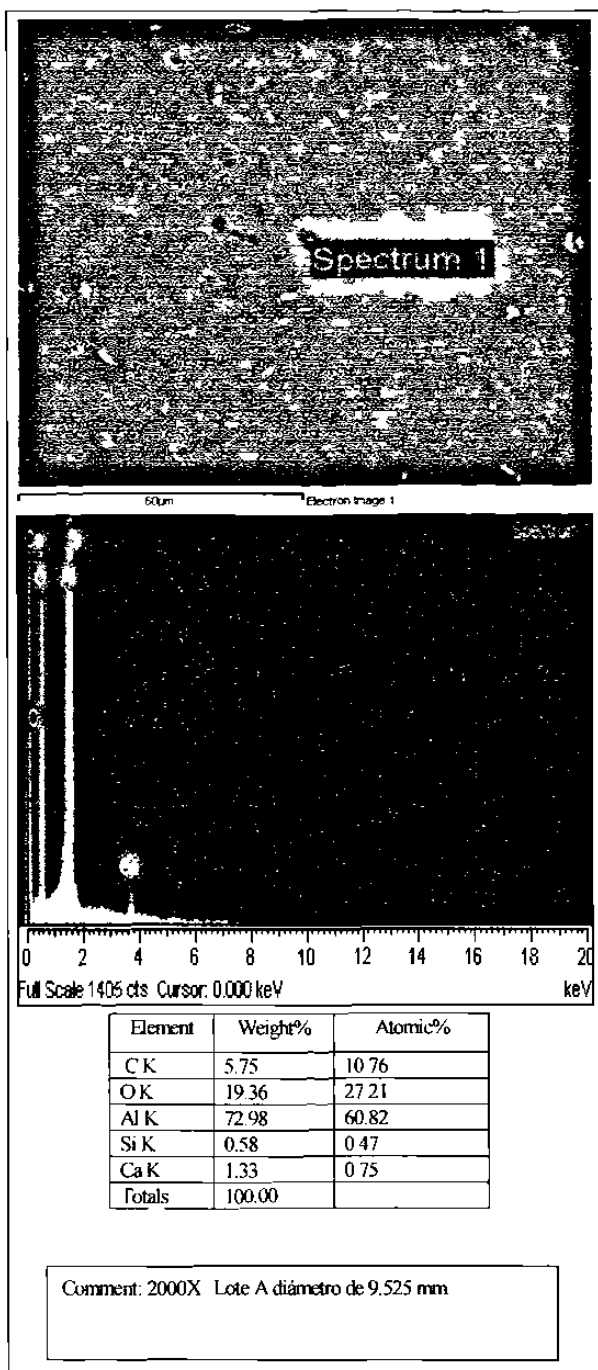


Q)

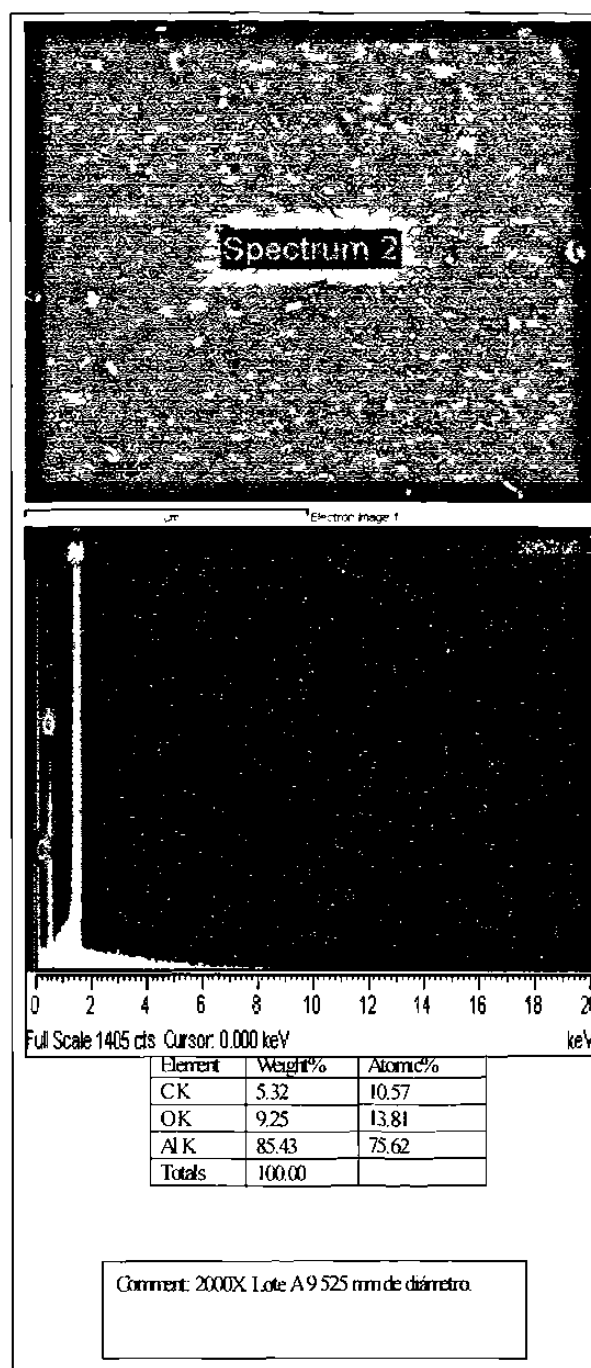


R)

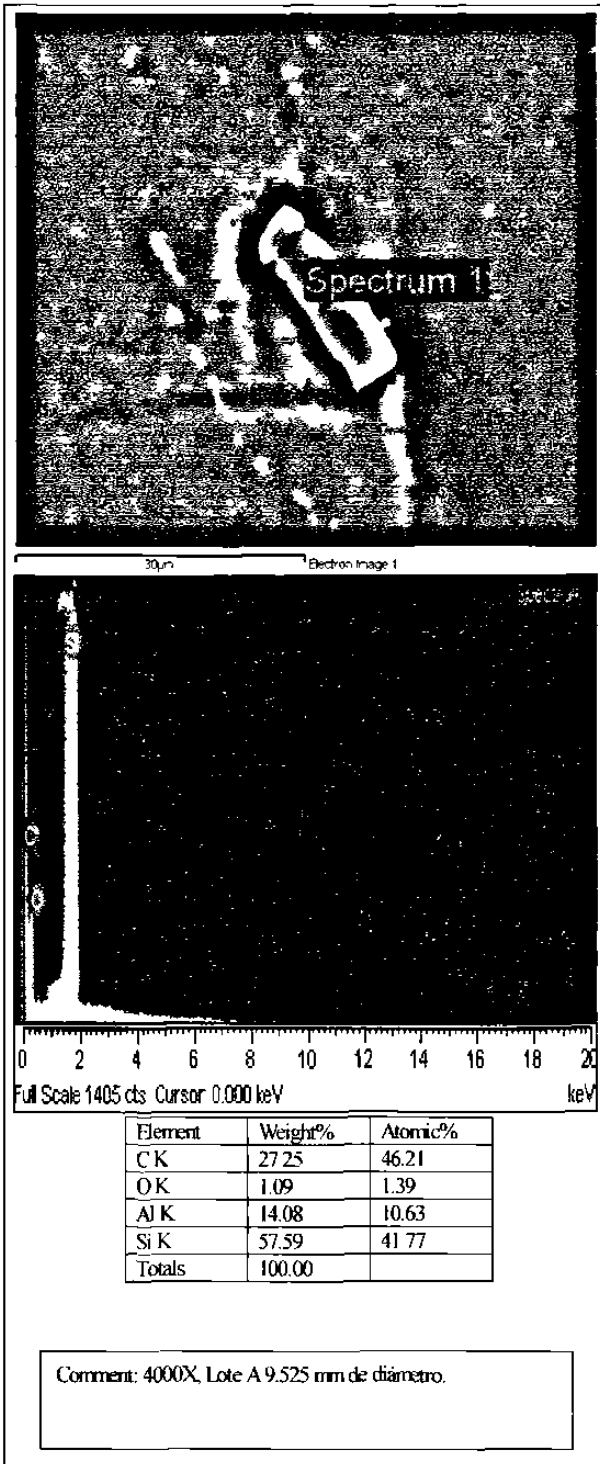
Figura AIV-1 A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R) muestran las partículas, imperfecciones y elementos encontrados en el aluminio del lote "B".



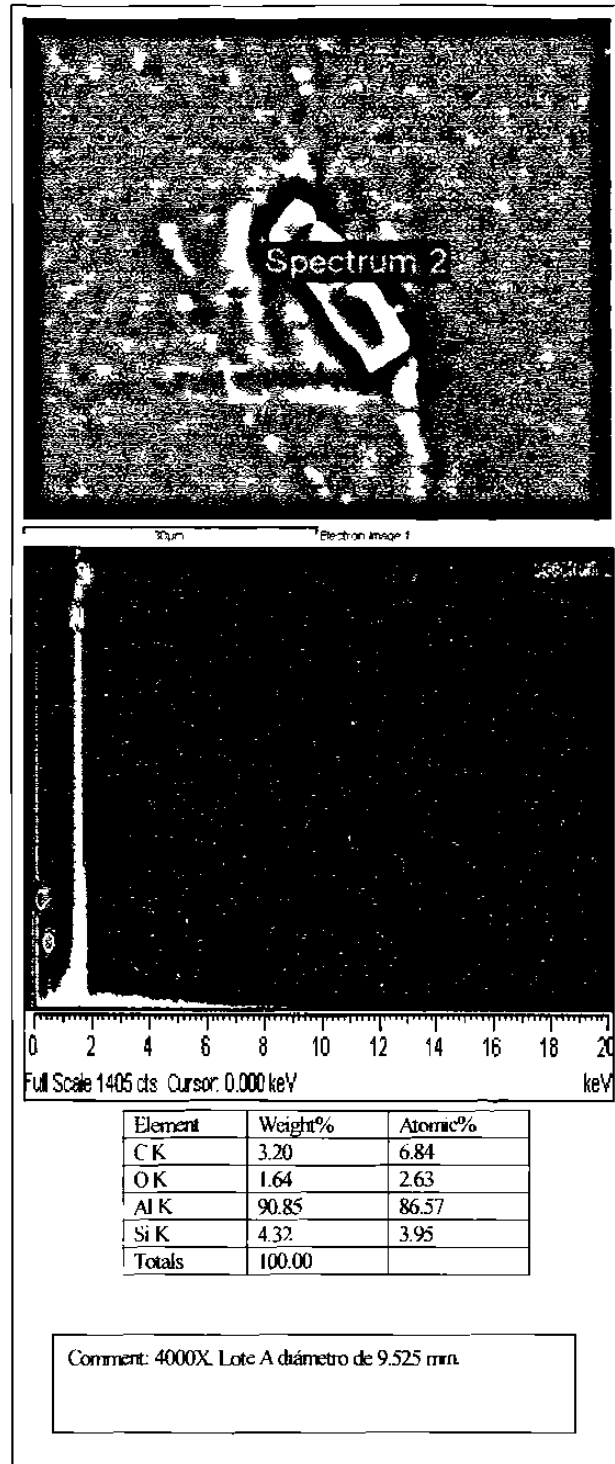
A)



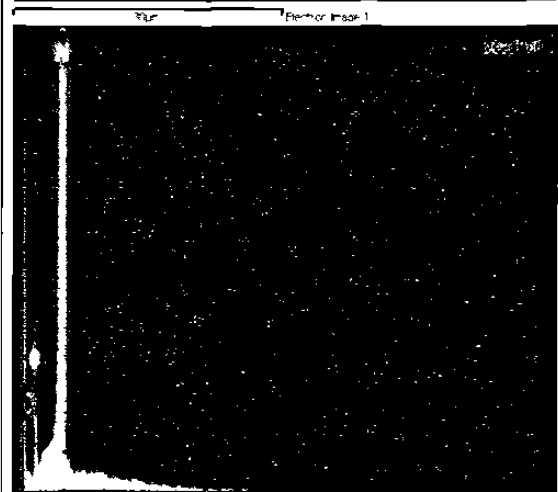
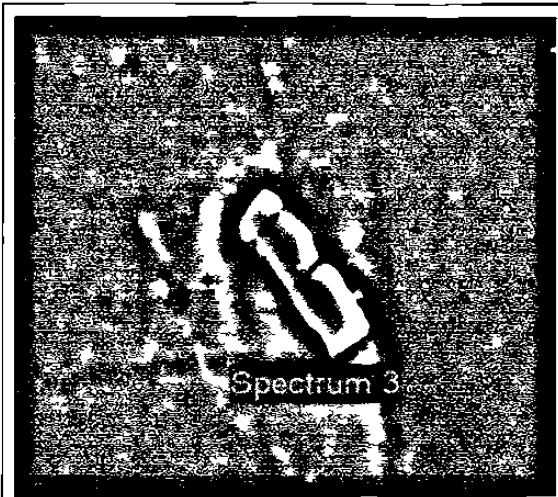
B)



C)



D)

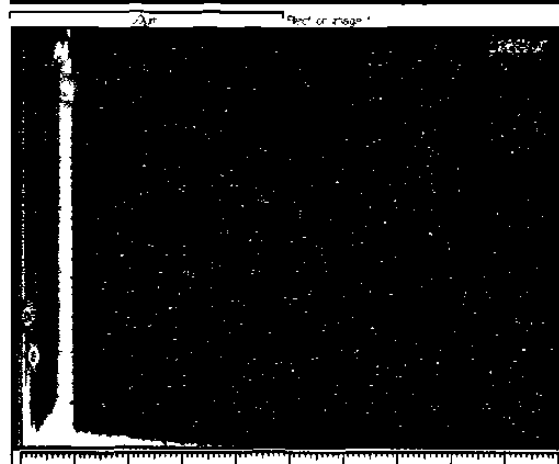
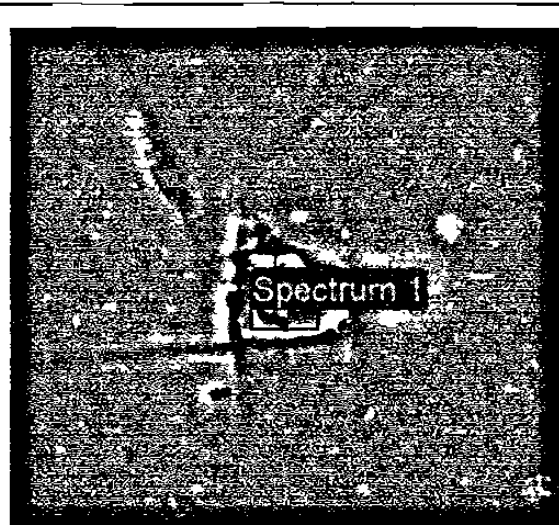


Full Scale 1405 cts Cursor 0.000 keV

Element	Weight%	Atomic%
C K	5.64	11.57
O K	3.58	5.52
Al K	90.78	82.91
Totals	100.00	

Comment: 4000X, Lote A 9.525 mm de diametro.

E)

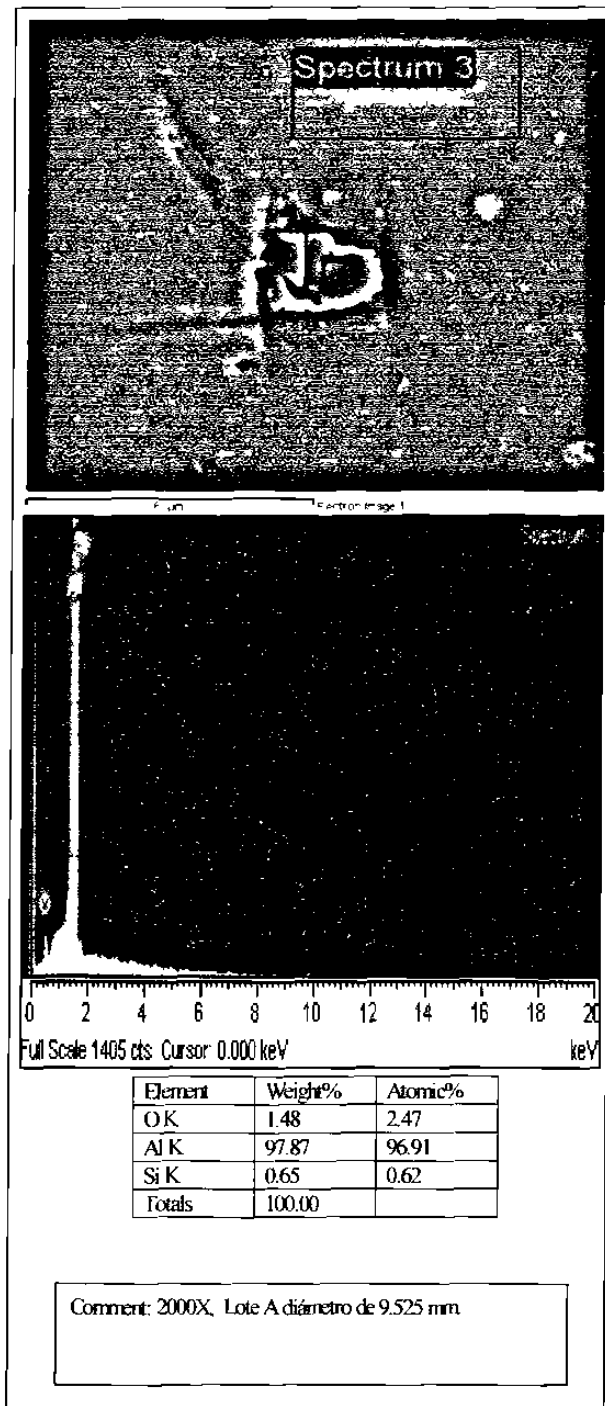


Full Scale 1405 cts Cursor 0.000 keV

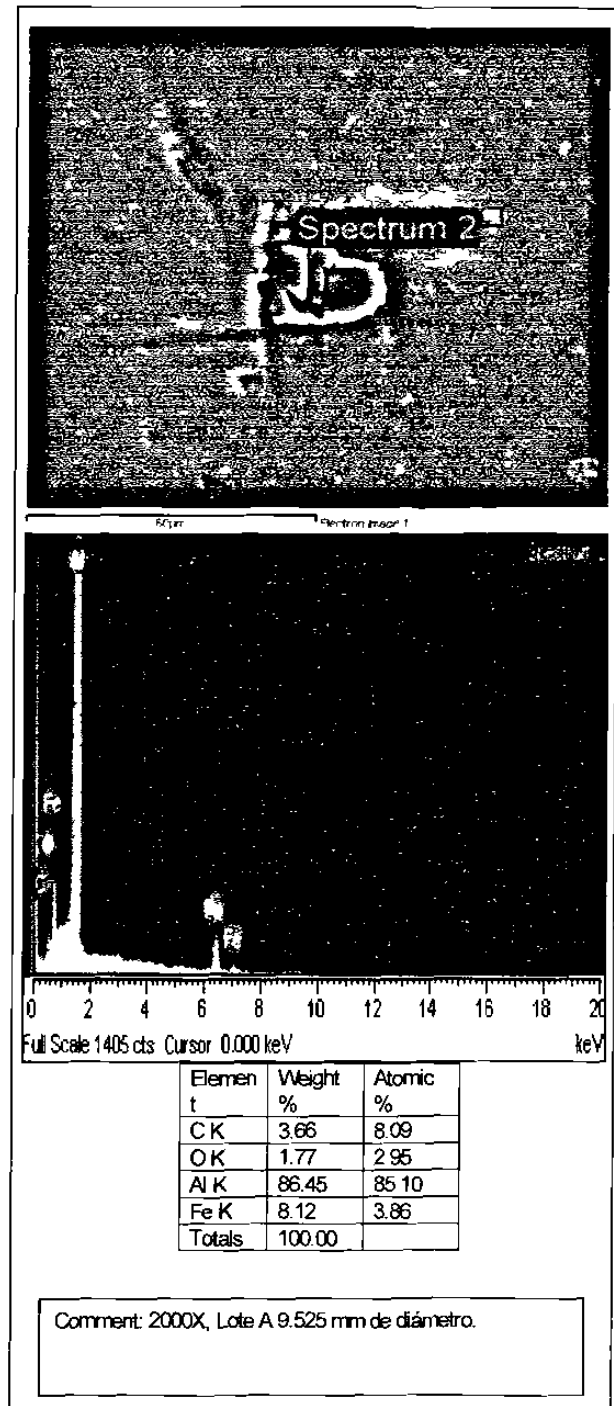
Element	Weight%	Atomic%
C K	24.04	42.06
O K	1.14	1.50
Al K	14.85	11.57
Si K	59.97	44.88
Totals	100.00	

Comment: 2000X, Lote A 9.525 mm de diametro.

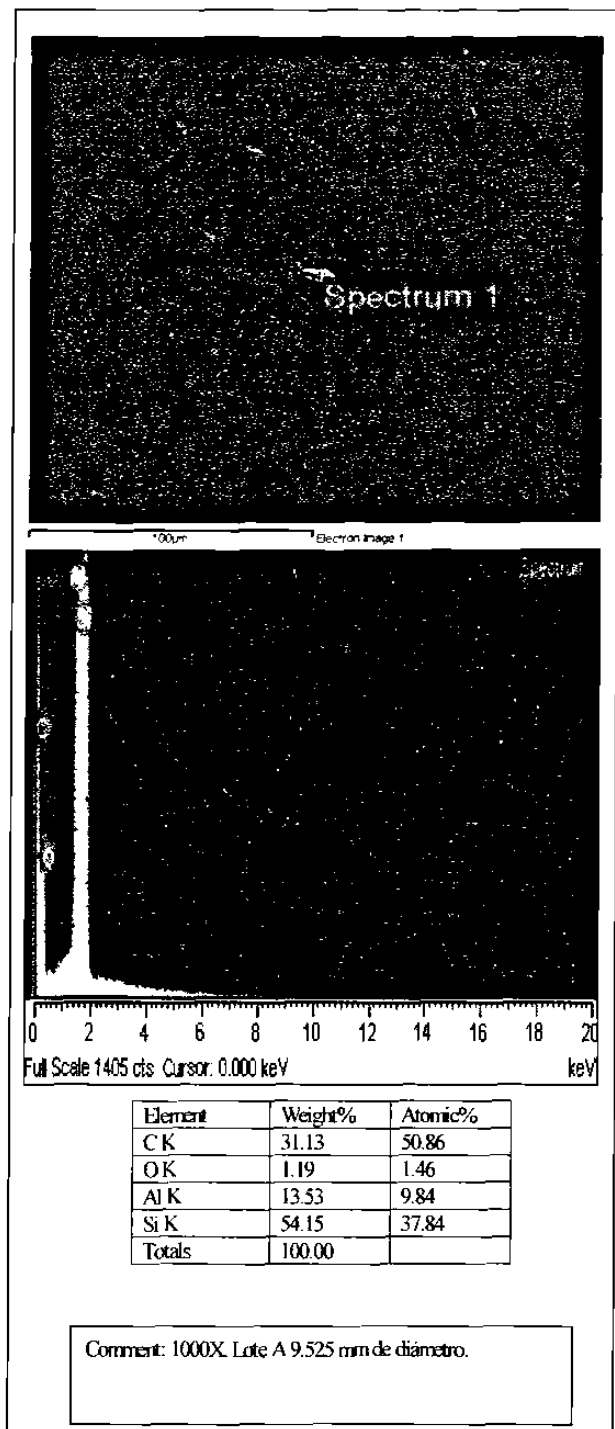
F)



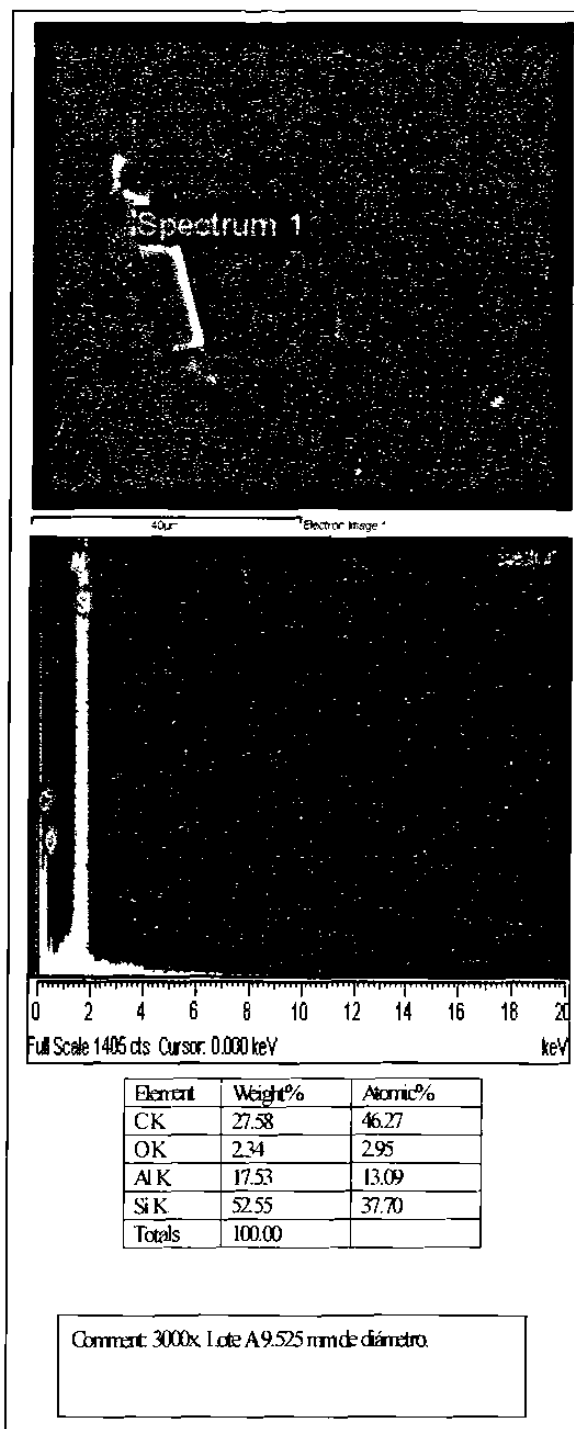
G)



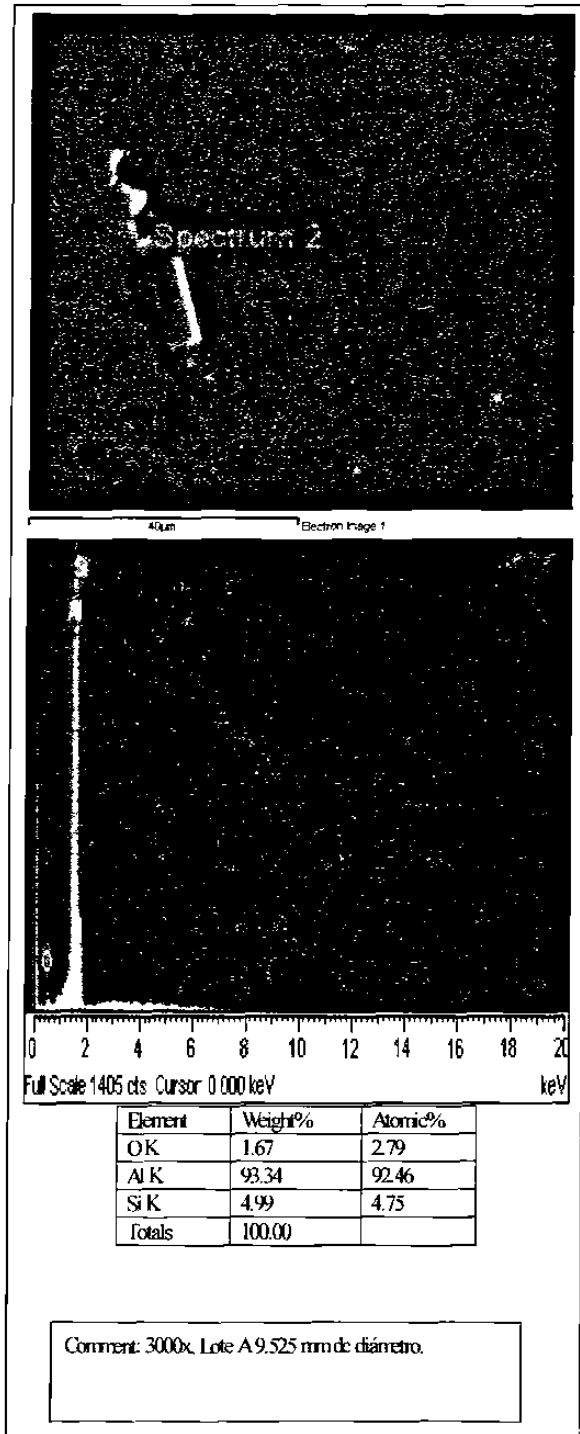
H)



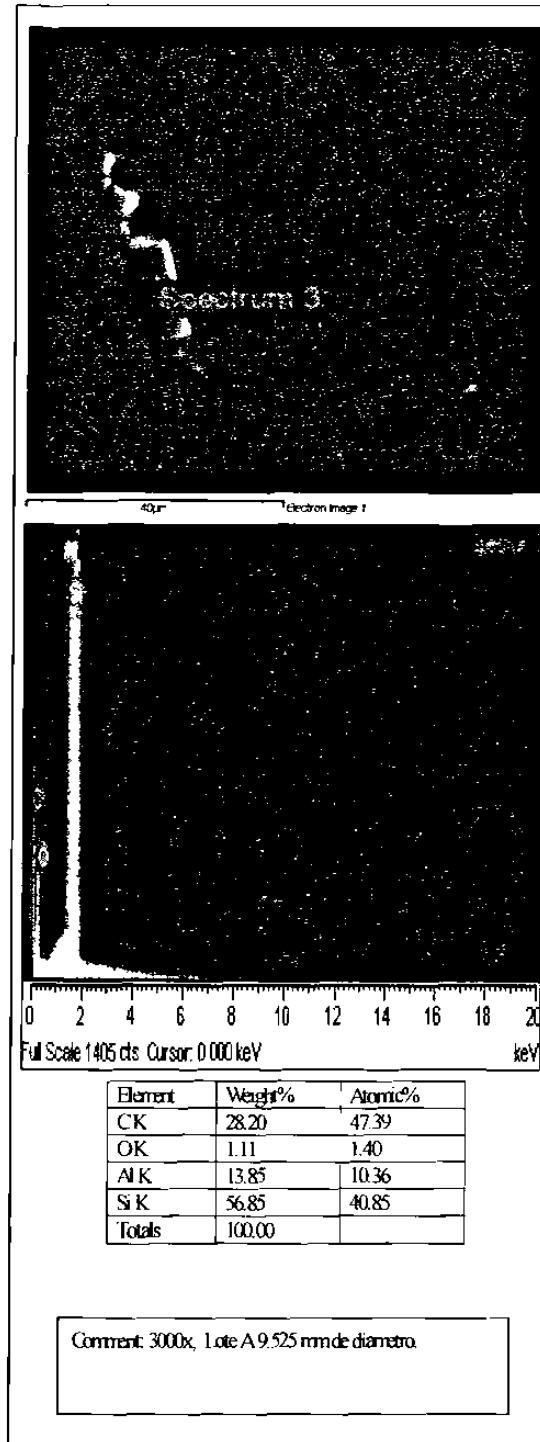
I)



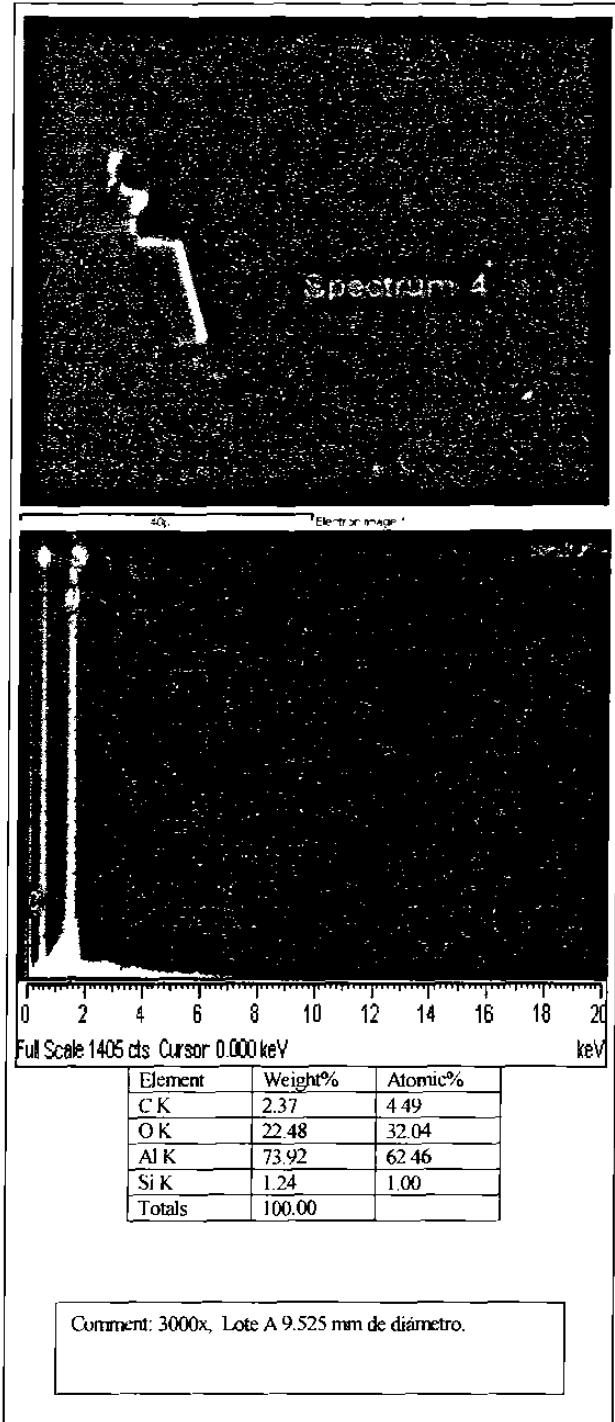
J)



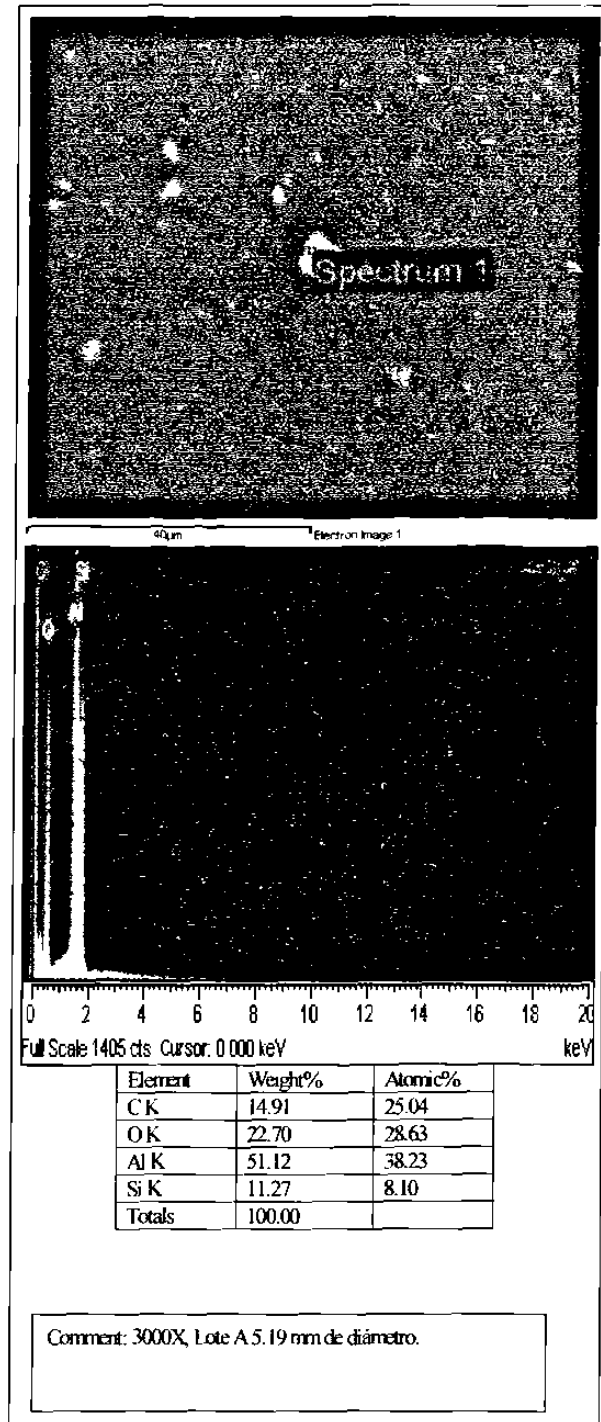
K)



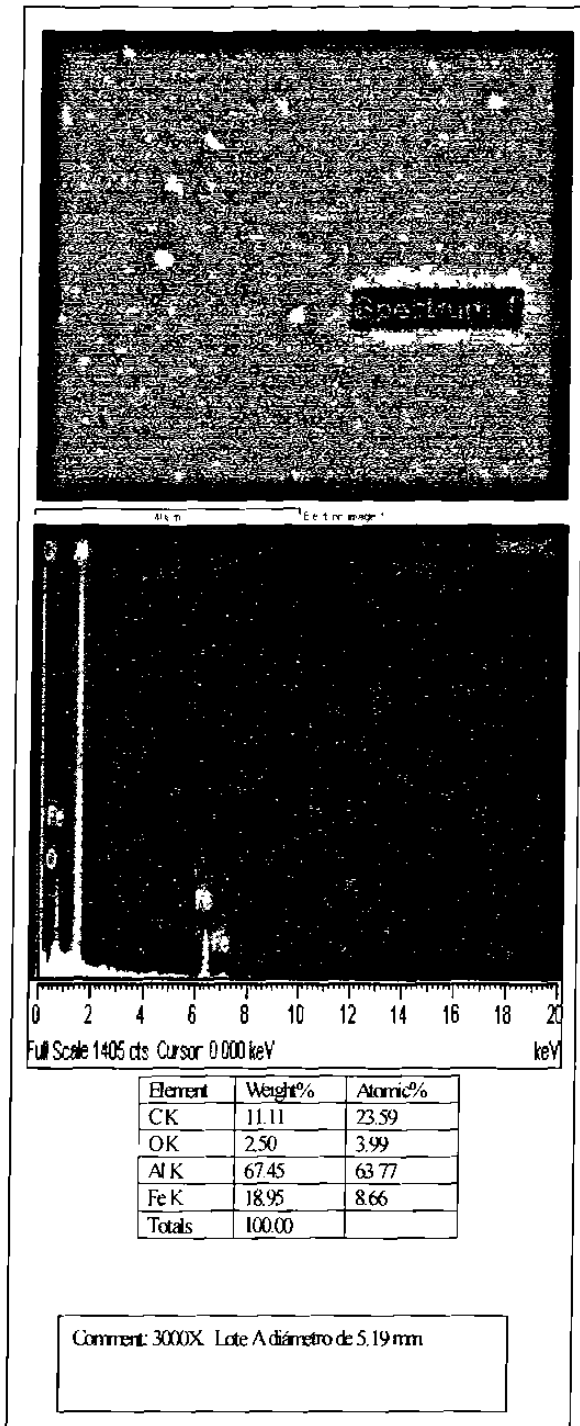
L)



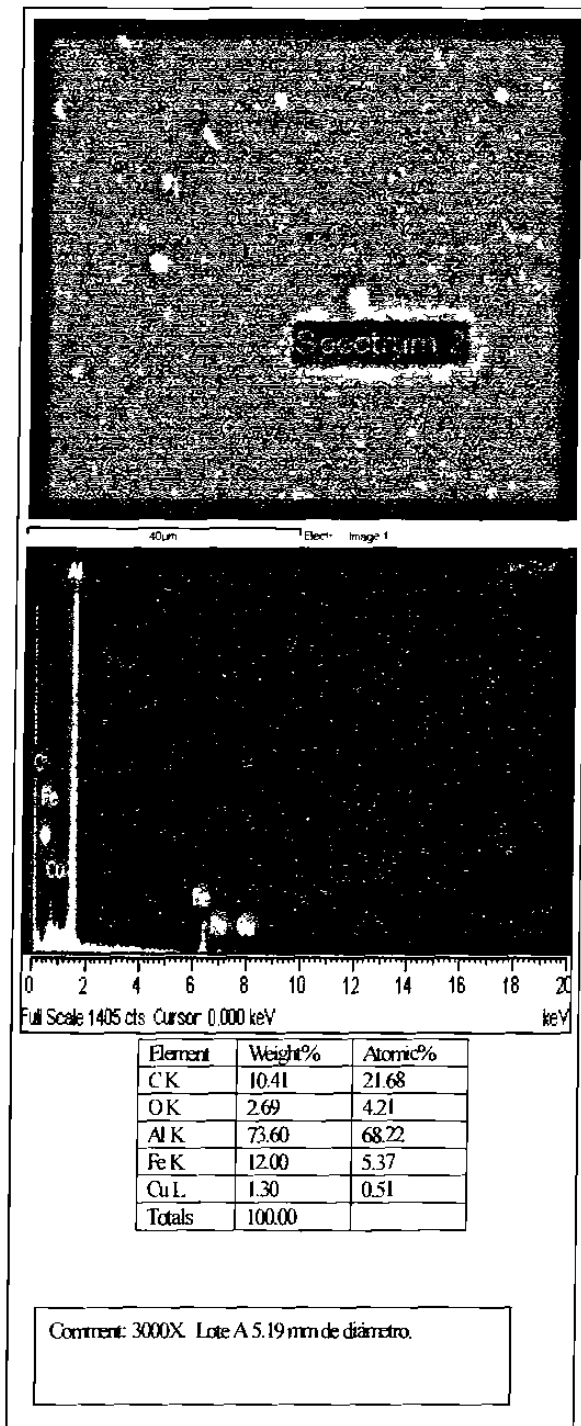
M)



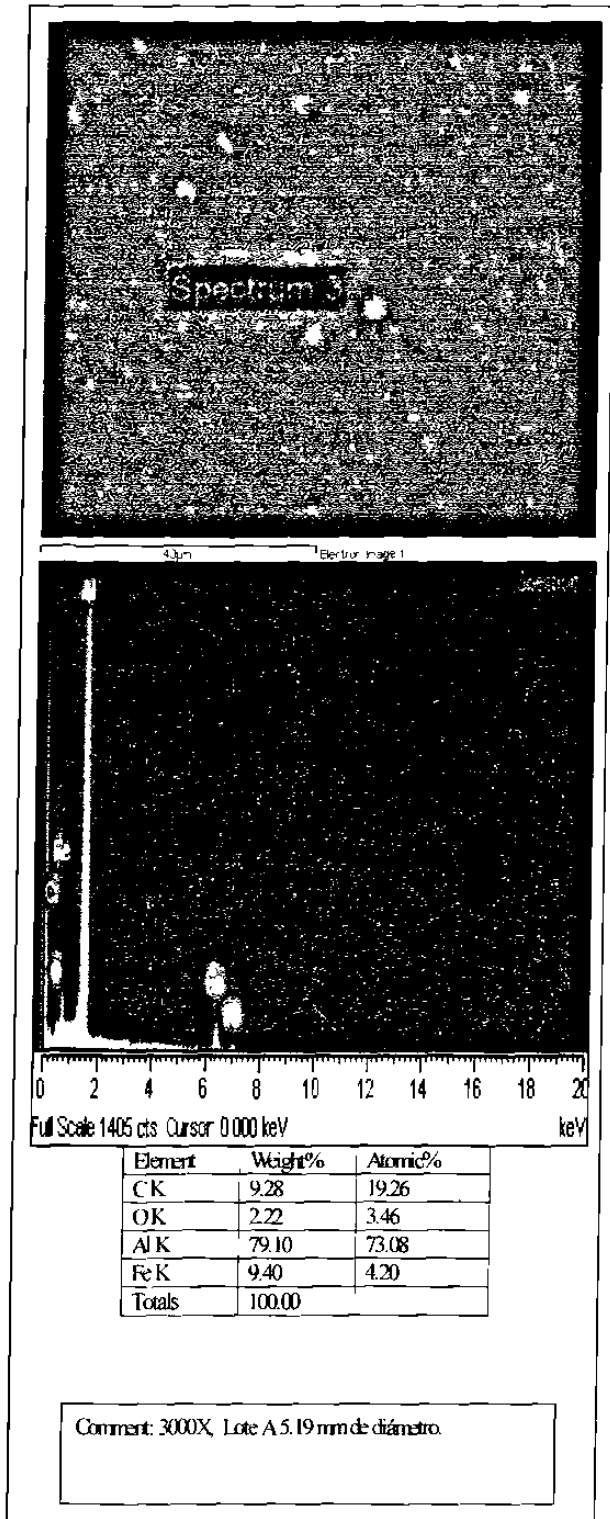
N)



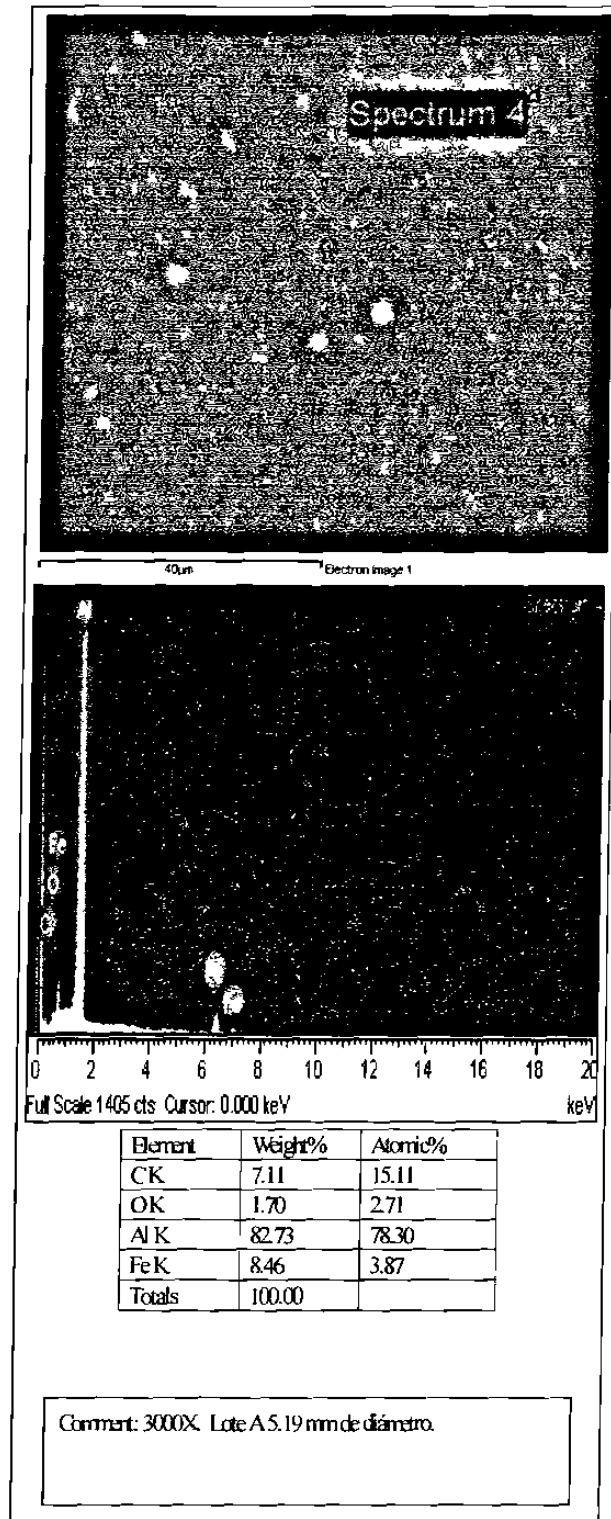
O)



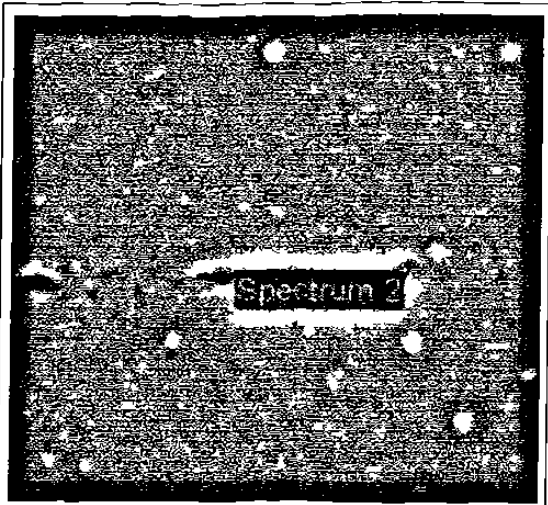
P)



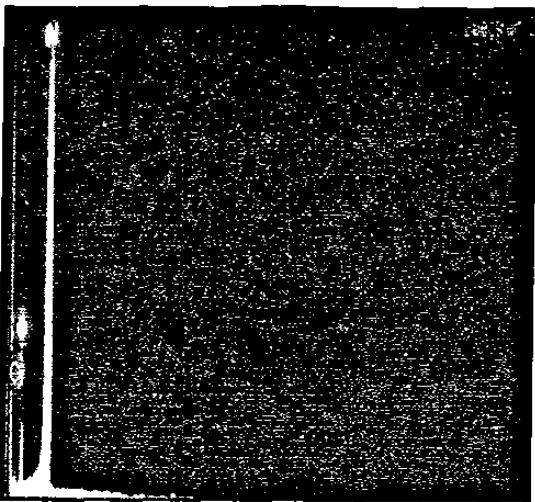
Q)



R)



43.1µm Electron Image 1

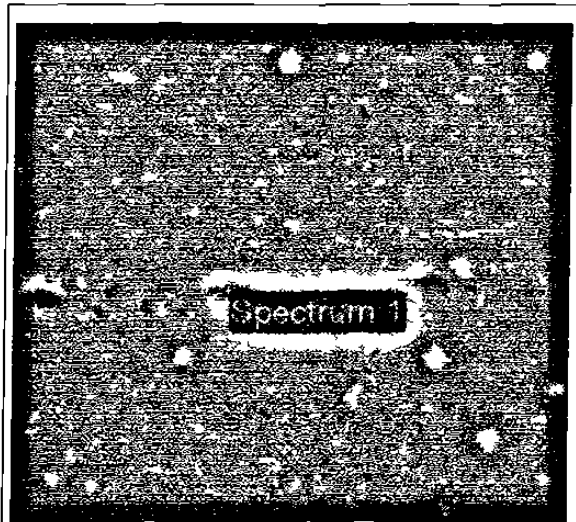


Full Scale 1405 cts Cursor: 0.000 keV keV

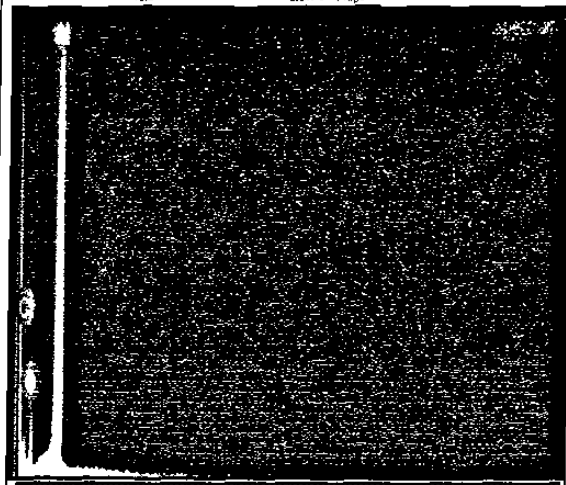
Element	Weight%	Atomic%
CK	10.21	19.67
OK	5.62	8.14
Al K	84.17	72.20
Totals	100.00	

Comment: 3000X. Lote A.5.19 mm de diámetro.

S)



40.1µm Electron Image 1

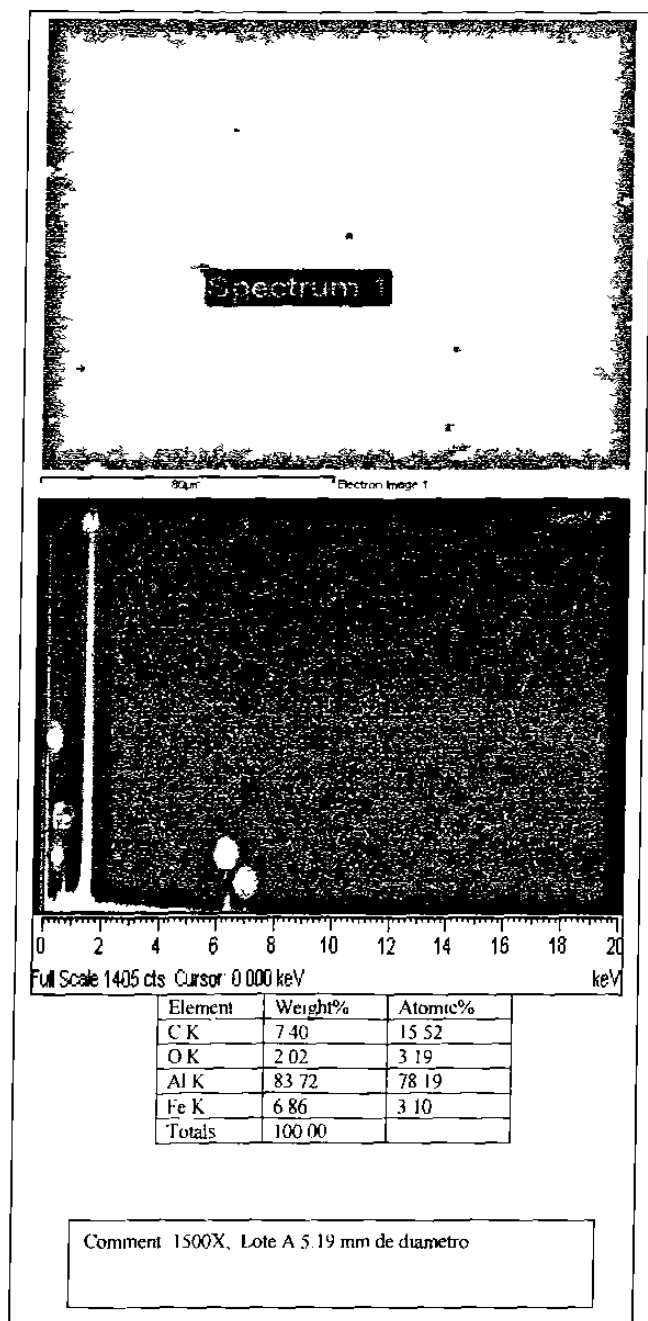


Full Scale 1405 cts Cursor: 0.000 keV keV

Element	Weight%	Atomic%
CK	15.01	27.60
OK	5.02	6.93
Al K	79.98	65.47
Totals	100.00	

Comment: 3000X. Lote A.5.19 mm de diámetro.

T)



U)

Figura AIV-2 A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U) muestran las partículas, imperfecciones y elementos encontrados en el aluminio del lote "A".

