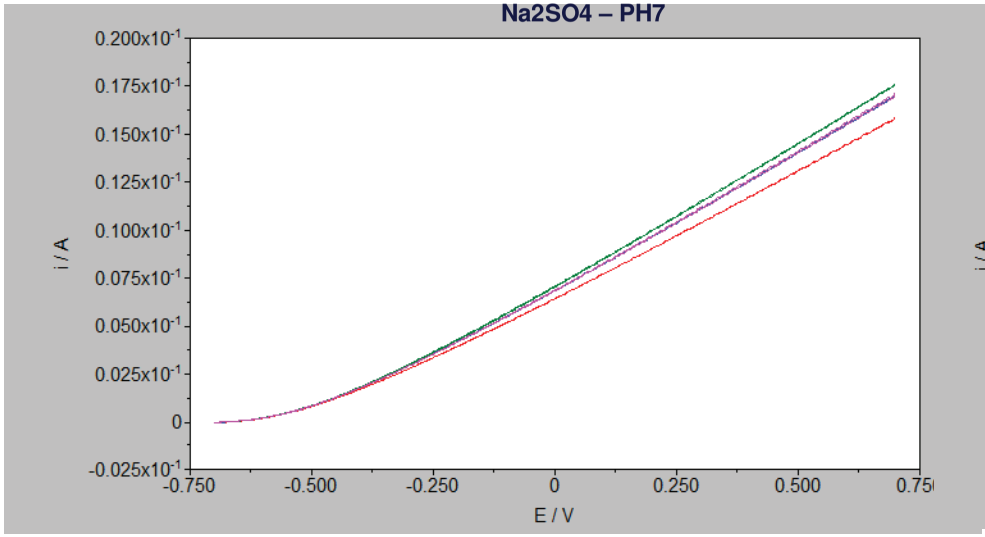
AIDICO INSTITUTO TECNOLÓGICO DE LA CONSTRUCCIÓN

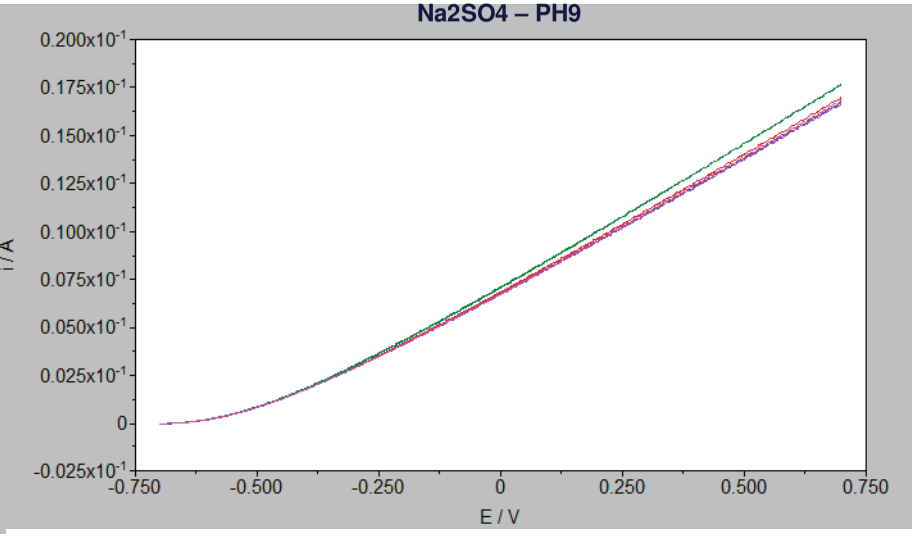
UNIVERSITAT POLITÈCNICA DE VALÈNCIA

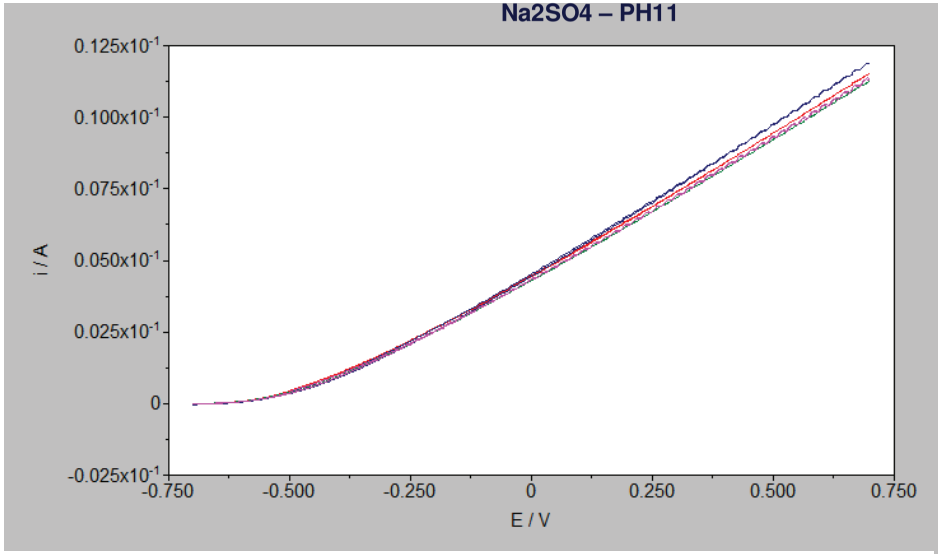
SULFATOS Na2SO4

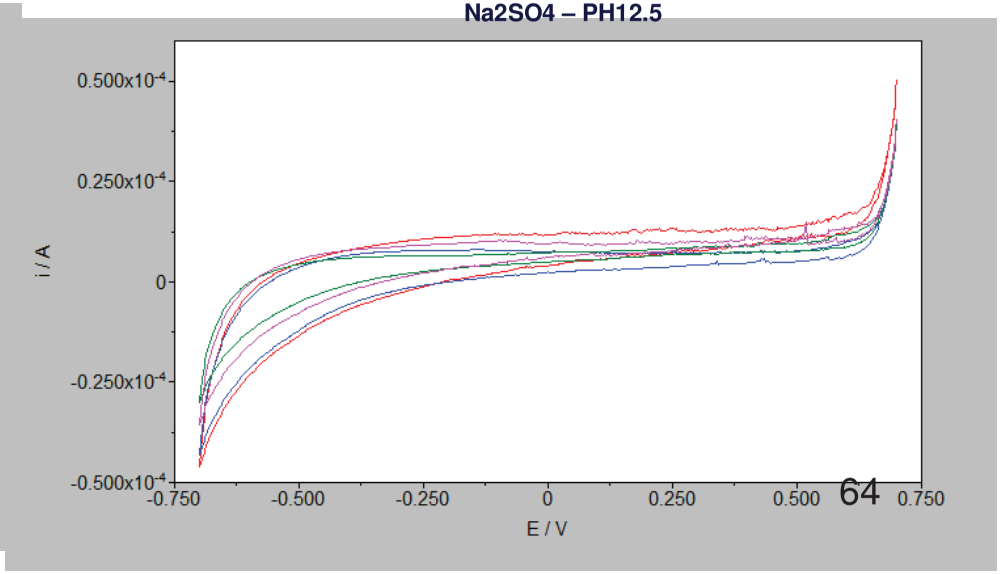
MEDIO: Aire Tª: 25ºC			SULFATOS Na_2SO_4					
E	(ph 7)		(ph 9)		(ph 11)		(ph 12.5)	
	E CORR (V)							
5sd	-0.686	2	-0.685	2	-0.671	2	-0.334	2
2sd	-0.677	2	-0.676	2	-0.679	2	-0.203	2
1sd	-0.676	2	-0.675	2	-0.664	2	-0.209	2
4sd	-0.685	2	-0.681	2	-0.697	2	-0.376	2
ECORR_medio_Sd	-0.68		-0.68		-0.68		-0.28	
E	(ph 7)		(ph 9)		(ph 11)		(ph 12.5)	
	I CORR (A/cm2)							
5sd	1.62E-05	2	4.995E-05	2	5.11E-05	2	3.20E-06	2
2sd	2.88E-05	2	4.765E-05	2	4.33E-05	2	2.34E-06	2
1sd	2.85E-05	2	4.957E-05	2	5.43E-05	2	2.32E-06	2
4sd	4.25E-05	2	4.600E-05	2	1.11E-05	2	1.90E-06	2
ICORR_medio_Sd	2.90E-05		4.83E-05		4.00E-05		2.44E-06	
E	(ph 7)		(ph 9)		(ph 11)		(ph 12.5)	
	Rp (Ohm)							
5sd	2.97E+01	2	8.63E+01	2	7.17E+01	2	1.07E+04	2
2sd	3.36E+01	2	5.75E+01	2	7.49E+01	2	2.66E+04	2
1sd	3.24E+01	2	5.93E+01	2	3.82E+01	2	1.01E+04	2
4sd	6.97E+01	2	7.10E+01	2	3.03E+01	2	7.11E+03	2
Rp_medio_Sd	4.13E+01		6.85E+01		5.38E+01		1.36E+04	
E	(ph 7)		(ph 9)		(ph 11)		(ph 12.5)	
	Corrosion rate (mm/y)							
5sd	3.78E-01	2	1.17E+00	2	1.20E+00	2	7.49E-02	2
2sd	6.74E-01	2	1.12E+00	2	1.01E+00	2	5.49E-02	2
1sd	6.66E-01	2	1.16E+00	2	1.27E+00	2	5.42E-02	2
4sd	9.95E-01	2	1.08E+00	2	2.60E-01	2	4.44E-02	2
C.rate_medio_Sd	6.78E-01		1.13E+00		9.35E-01		5.71E-02	

SULFATOS Na2SO4 _0.1M_sin Ih



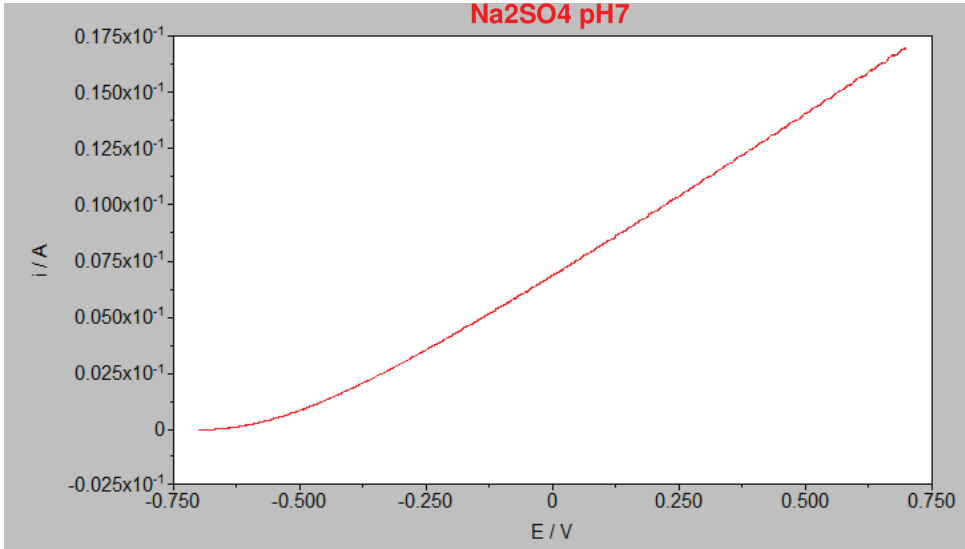




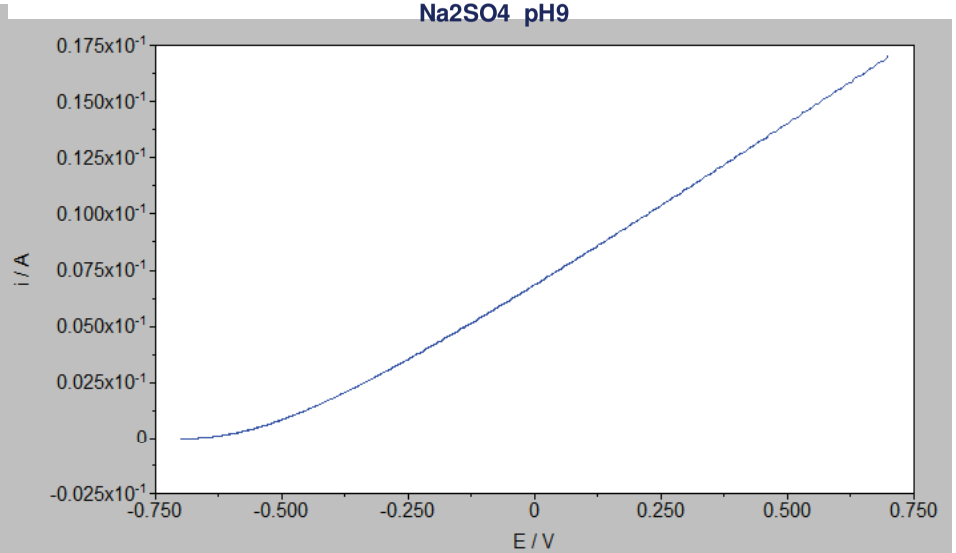


SULFATOS Na2SO4 _0.1M_sin Ih

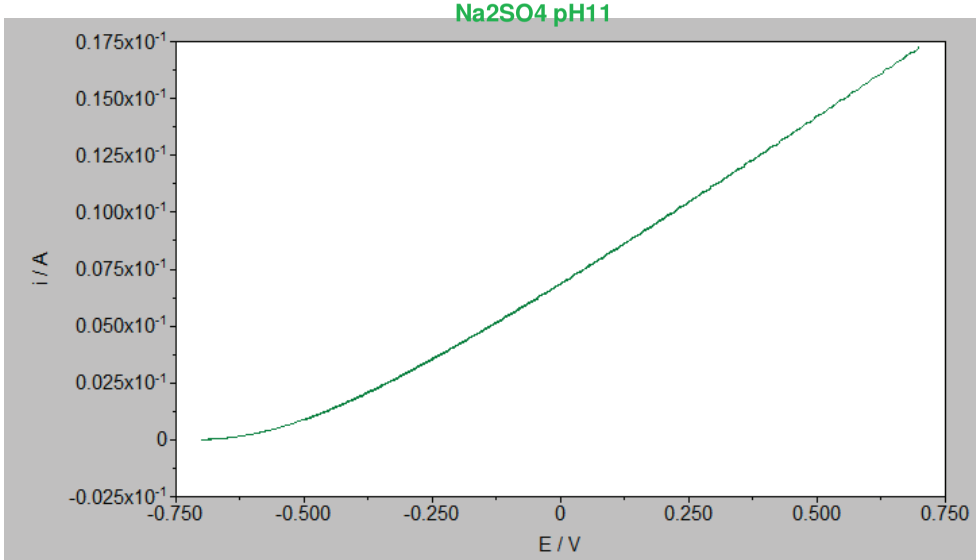
Na2SO4 pH7



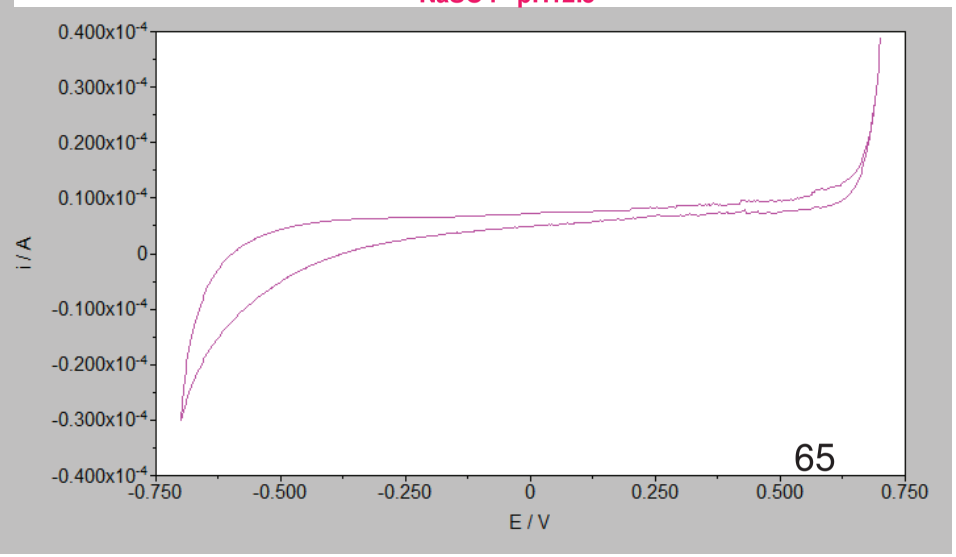
Na2SO4 pH9



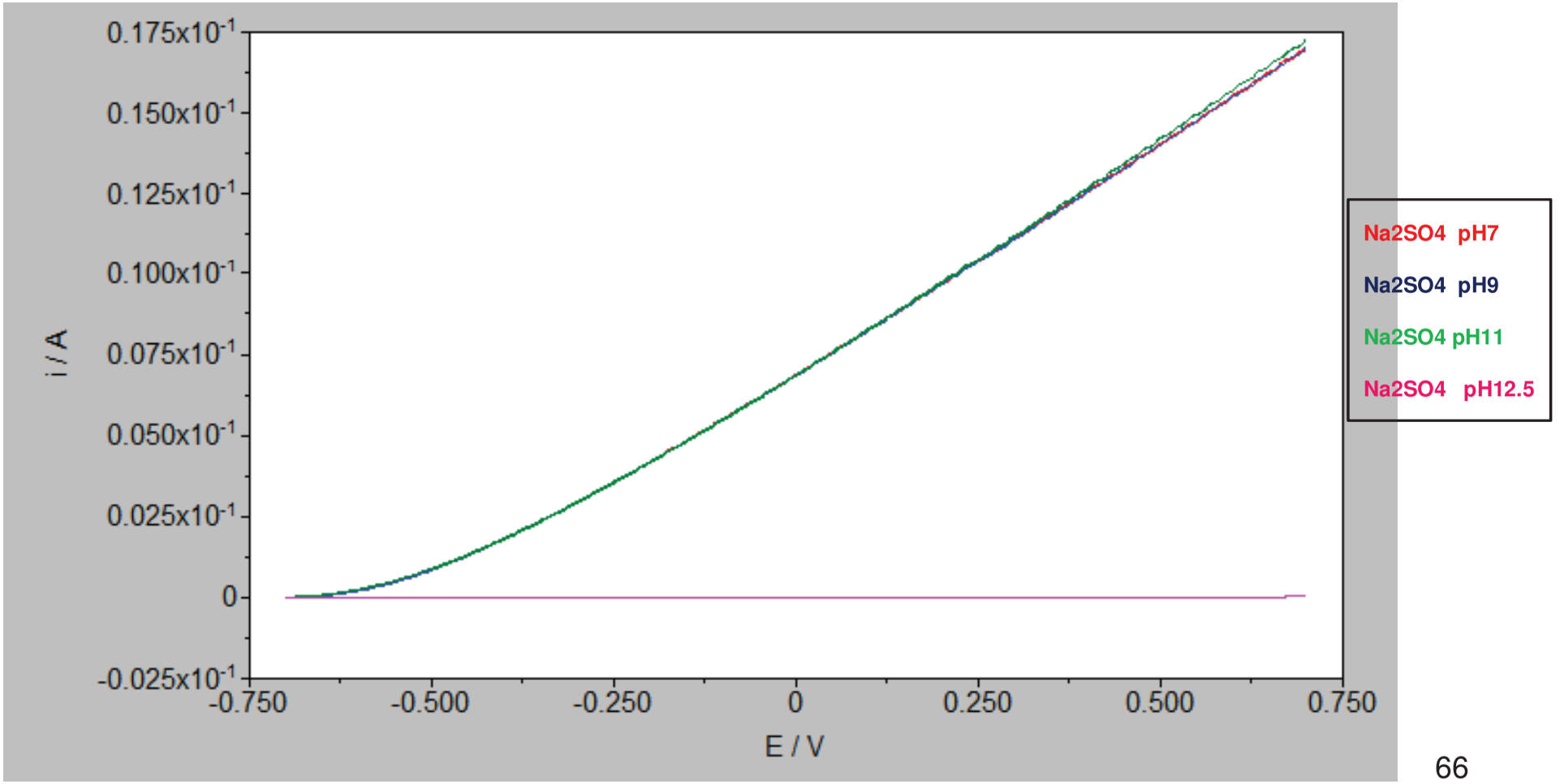
Na2SO4 pH11



NaSO4 pH12.5



SUPERPOSICIÓN DISTINTOS PH



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UNIVERSITAT POLITÈCNICA DE VALÈNCIA

SULFATOS Na2SO4 0.1M _ Inhibidor RHEOCRETE BASF 200

	MEDIO: Aire		SULFATOS Na_2SO_4					
	Tª: 25ºC							
E	(ph 7)		(ph 9)		(ph 11)		(ph 12.5)	
	E CORR (V)							
5sd	-0.655	2	-0.658	2	-0.672	2	-0.214	2
2sd	-0.657	2	-0.658	2	-0.671	2	-0.335	2
1sd	-0.649	2	-0.656	2	-0.666	2	-0.308	2
4sd	-0.653	2	-0.656	2	-0.675	2	-0.326	2
ECORR_medio_Sd	-0.65		-0.66		-0.67		-0.30	
E	(ph 7)		(ph 9)		(ph 11)		(ph 12.5)	
	I CORR (A/cm2)							
5sd	3.70E-05	2	3.786E-05	2	2.16E-05	2	1.25E-06	2
2sd	4.16E-05	2	3.266E-05	2	3.50E-05	2	2.27E-06	2
1sd	4.68E-05	2	3.451E-05	2	2.61E-05	2	1.79E-06	2
4sd	3.48E-05	2	3.143E-05	2	3.48E-05	2	2.55E-06	2
ICORR_medio_Sd	4.00E-05		3.41E-05		2.93E-05		1.97E-06	
E	(ph 7)		(ph 9)		(ph 11)		(ph 12.5)	
	Rp (Ohm)							
5sd	5.38E+01	2	6.03E+01	2	5.10E+01	2	1.25E+05	2
2sd	5.21E+01	2	4.34E+01	2	7.75E+01	2	1.76E+03	2
1sd	4.85E+01	2	6.05E+01	2	4.77E+01	2	2.71E+03	2
4sd	3.64E+01	2	4.04E+01	2	8.02E+01	2	1.42E+03	2
Rp_medio_Sd	4.77E+01		5.12E+01		6.41E+01		3.27E+04	
E	(ph 7)		(ph 9)		(ph 11)		(ph 12.5)	
	Corrosion rate (mm/y)							
5sd	8.65E-01	2	8.86E-01	2	5.05E-01	2	2.91E-02	2
2sd	9.73E-01	2	7.64E-01	2	8.18E-01	2	5.31E-02	2
1sd	1.10E+00	2	8.08E-01	2	6.11E-01	2	4.20E-02	2
4sd	8.14E-01	2	7.36E-01	2	8.13E-01	2	5.97E-02	2
C.rate_medio_Sd	9.37E-01		7.99E-01		6.87E-01		4.60E-02	

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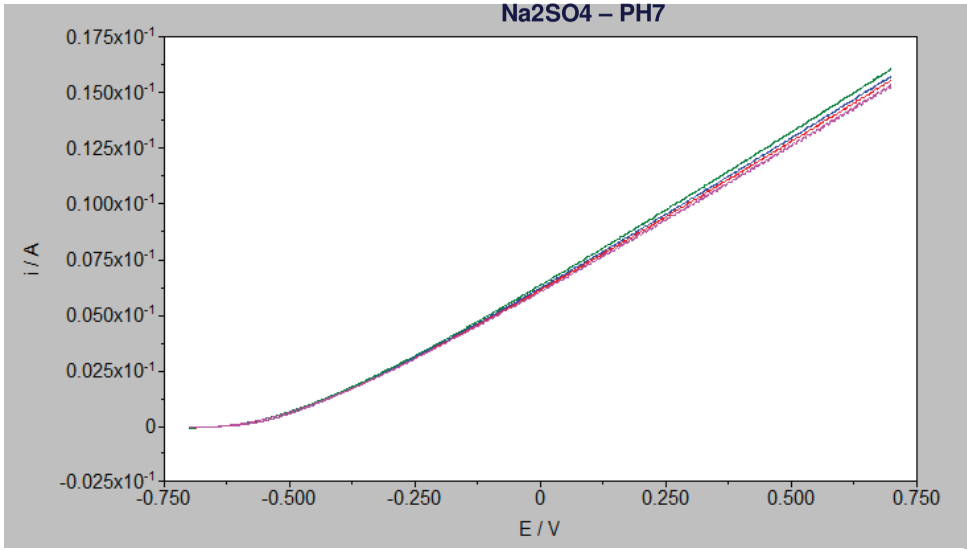
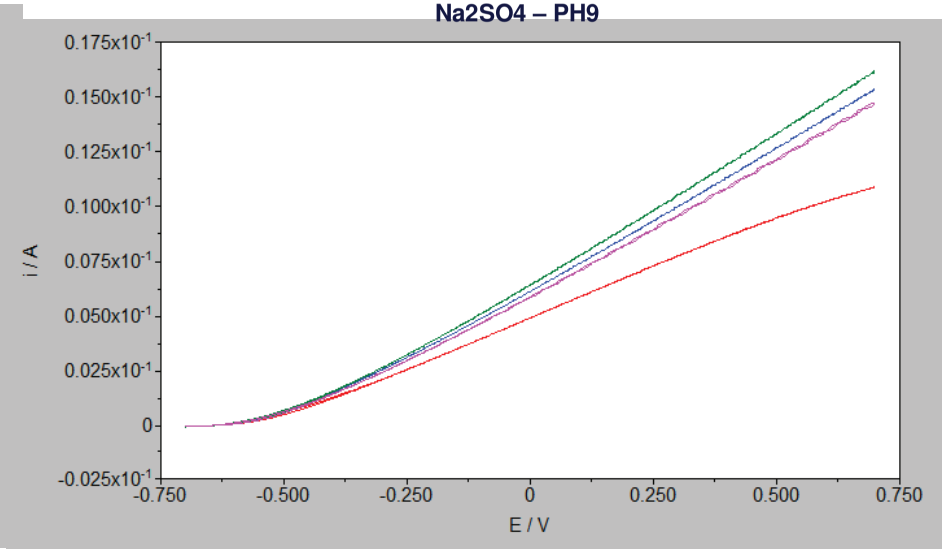
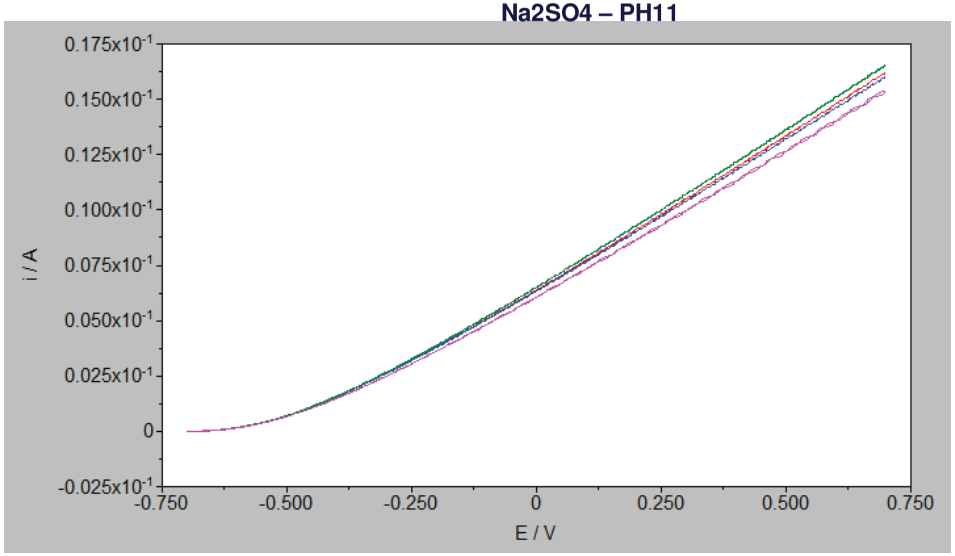
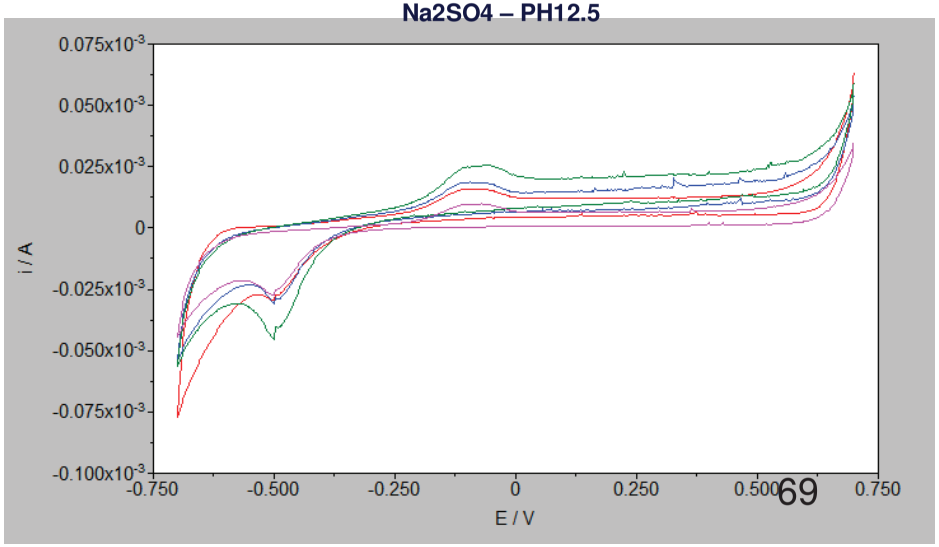
SULFATOS Na2SO4 0.1M
Ih RHEOC. BASF 200







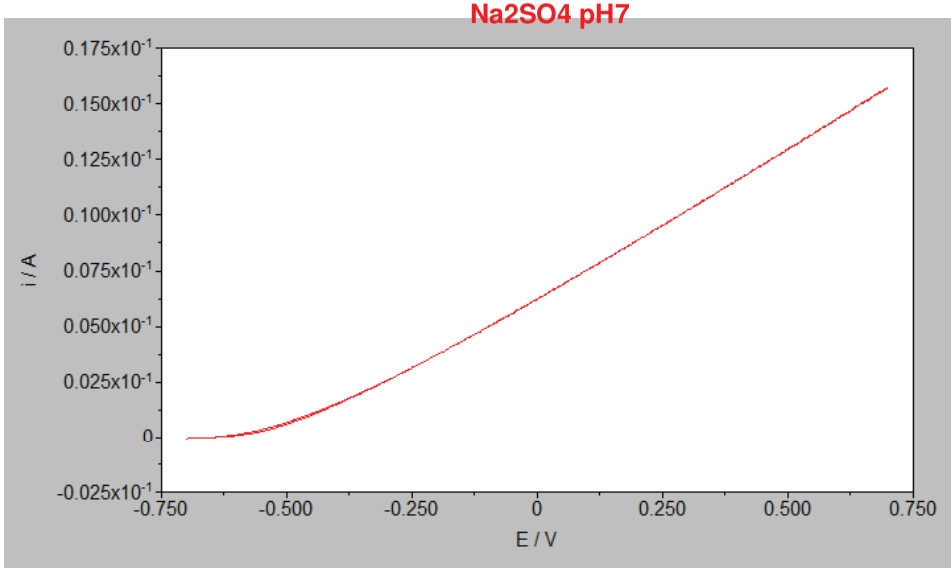


AIDICO INSTITUTO TECNOLÓGICO DE LA CONSTRUCCIÓN

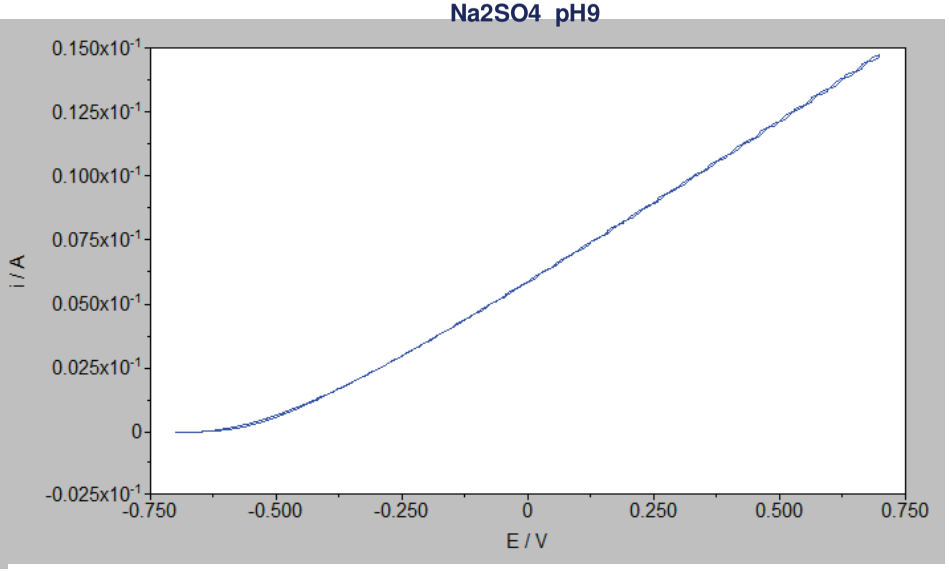
SULFATOS Na2SO4 0.1M
Ih RHEOC. BASF 200

UNIVERSITAT POLITÈCNICA DE VALÈNCIA

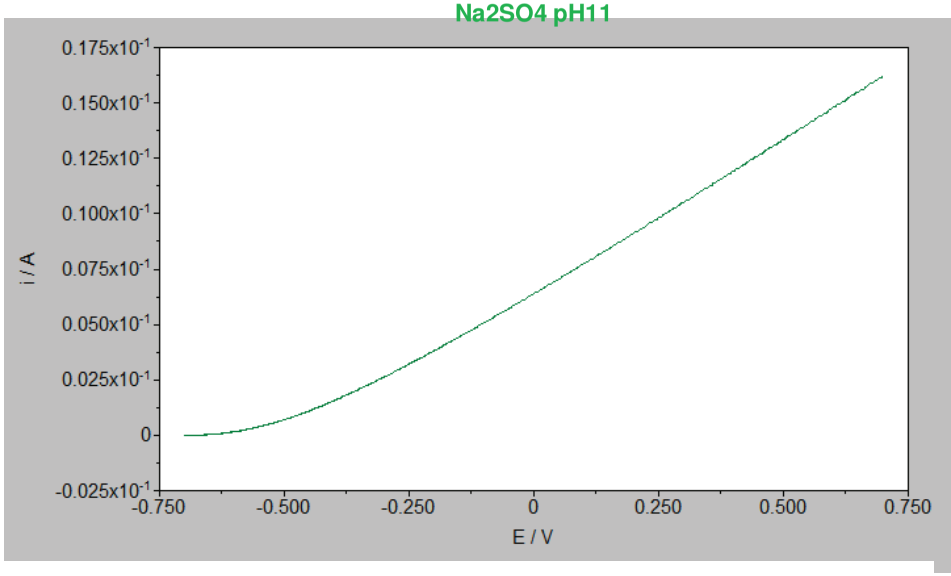
Na2SO4 pH7



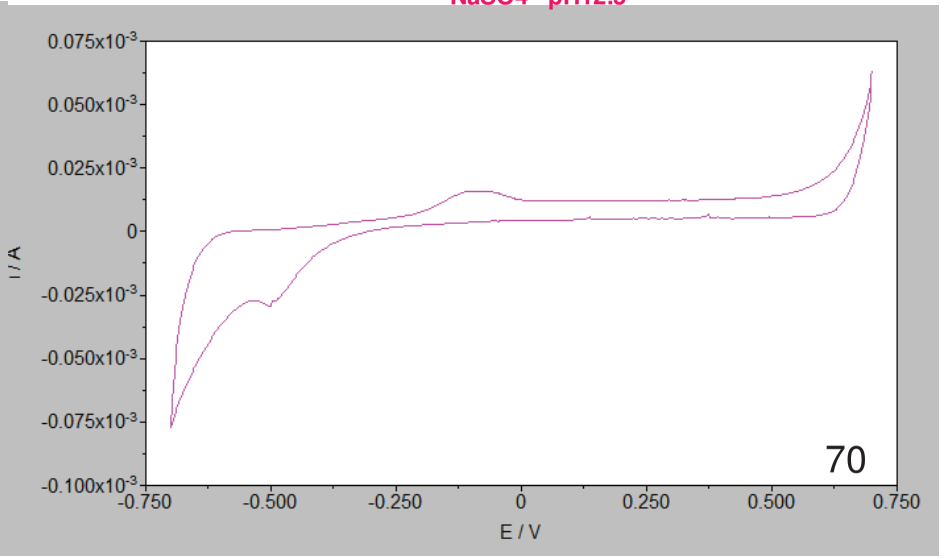
Na2SO4 pH9



Na2SO4 pH11



NaSO4 pH12.5



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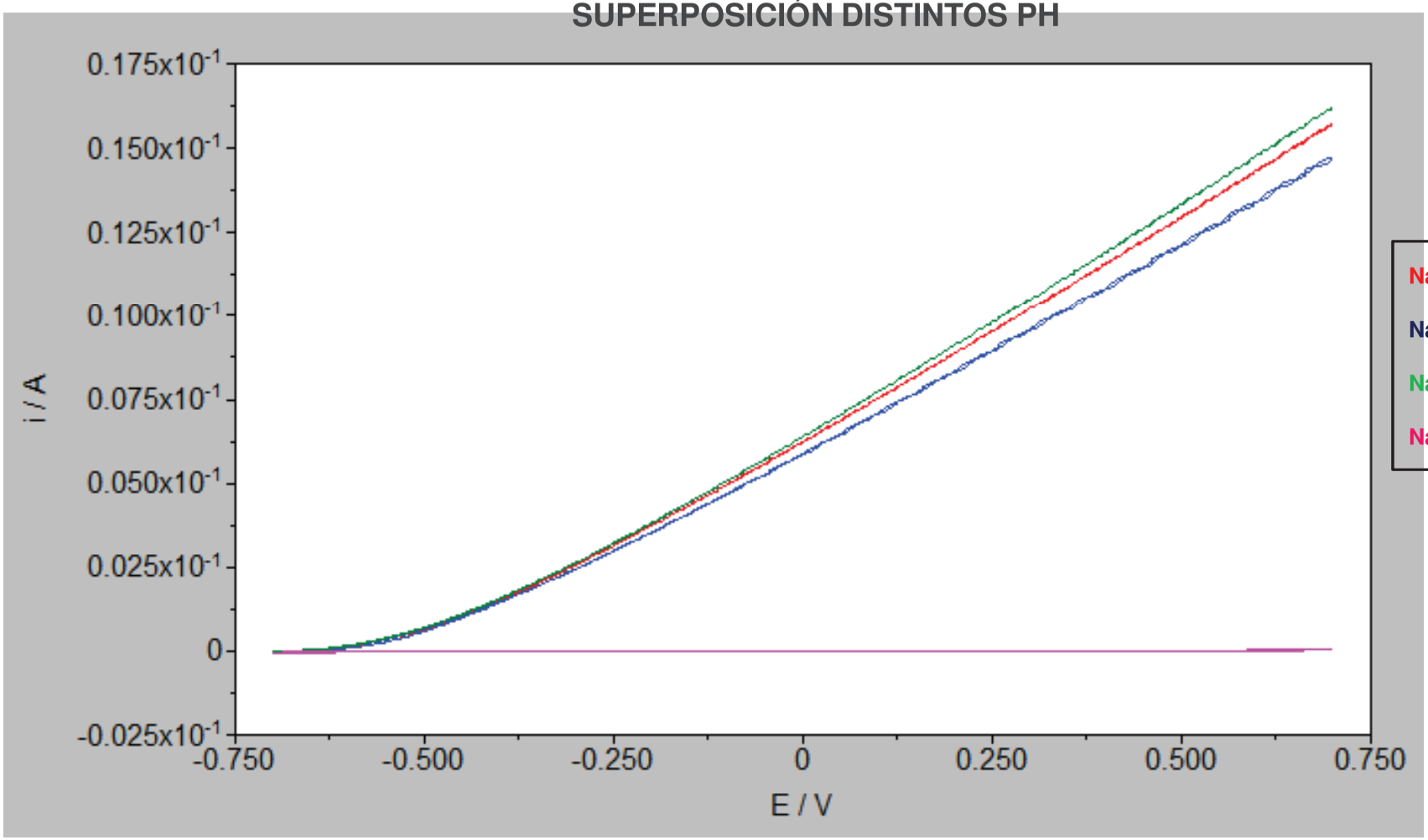
SULFATOS Na2SO4 0.1M
Ih RHEOC. BASF 200

SUPERPOSICIÓN DISTINTOS PH



AIDICO INSTITUTO TECNOLÓGICO DE LA CONSTRUCCIÓN

UNIVERSITAT POLITÈCNICA DE VALÈNCIA

SULFATOS Na2SO4 0.1M _ Inhibidor SIKA FERROGARD 901

MEDIO: Aire Tª: 25ºC			SULFATOS Na_2SO_4					
E	(ph 7)		(ph 9)		(ph 11)		(ph 12.5)	
	E CORR (V)							
5sd	-0.598	2	-0.606	2	-0.493	2	-0.372	2
2sd	-0.631	2	-0.618	2	-0.479	2	-0.315	2
1sd	-0.559	2	-0.613	2	-0.463	2	-0.328	2
4sd	-0.602	2	-0.602	2	-0.468	2	-0.323	2
ECORR_medio_Sd	-0.60		-0.61		-0.48		-0.33	
E	(ph 7)		(ph 9)		(ph 11)		(ph 12.5)	
	I CORR (A/cm2)							
5sd	3.92E-05	2	3.578E-05	2	9.25E-06	2	3.41E-07	2
2sd	2.80E-05	2	3.667E-05	2	7.93E-06	2	2.67E-07	2
1sd	3.78E-05	2	5.385E-05	2	6.41E-06	2	3.72E-07	2
4sd	3.97E-05	2	4.474E-05	2	6.34E-06	2	3.48E-07	2
ICORR_medio_Sd	3.62E-05		4.28E-05		7.48E-06		3.32E-07	
E	(ph 7)		(ph 9)		(ph 11)		(ph 12.5)	
	Rp (Ohm)							
5sd	3.54E+01	2	8.44E+01	2	3.87E+02	2	5.08E+03	2
2sd	4.97E+01	2	4.80E+01	2	4.92E+02	2	3.47E+03	2
1sd	1.93E+01	2	5.51E+01	2	1.76E+03	2	2.61E+04	2
4sd	2.48E+01	2	3.70E+01	2	1.37E+02	2	4.35E+03	2
Rp_medio_Sd	3.23E+01		5.61E+01		6.94E+02		9.75E+03	
E	(ph 7)		(ph 9)		(ph 11)		(ph 12.5)	
	Corrosion rate (mm/y)							
5sd	9.17E-01	2	8.38E-01	2	2.17E-01	2	7.98E-03	2
2sd	6.56E-01	2	8.58E-01	2	1.86E-01	2	6.25E-03	2
1sd	8.85E-01	2	1.26E+00	2	1.50E-01	2	8.71E-03	2
4sd	9.30E-01	2	1.05E+00	2	1.49E-01	2	8.13E-03	2
C.rate_medio_Sd	8.47E-01		1.00E+00		1.75E-01		7.77E-03	

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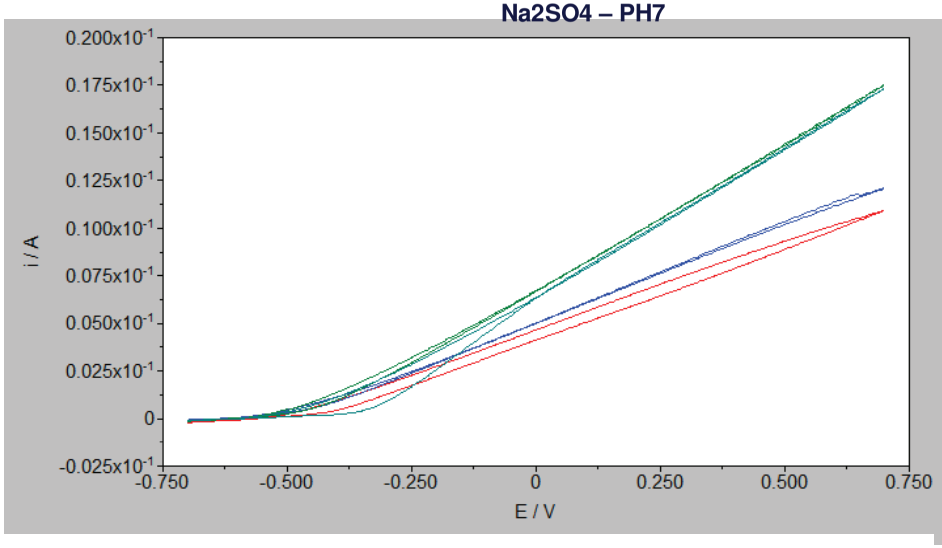
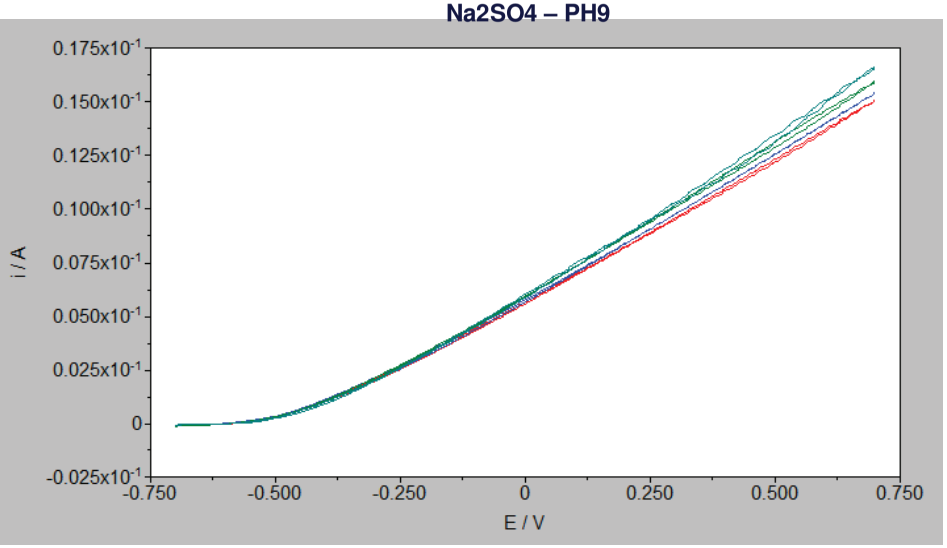
SULFATOS Na2SO4 0.1M
Ih SIKA FERROGARD 901

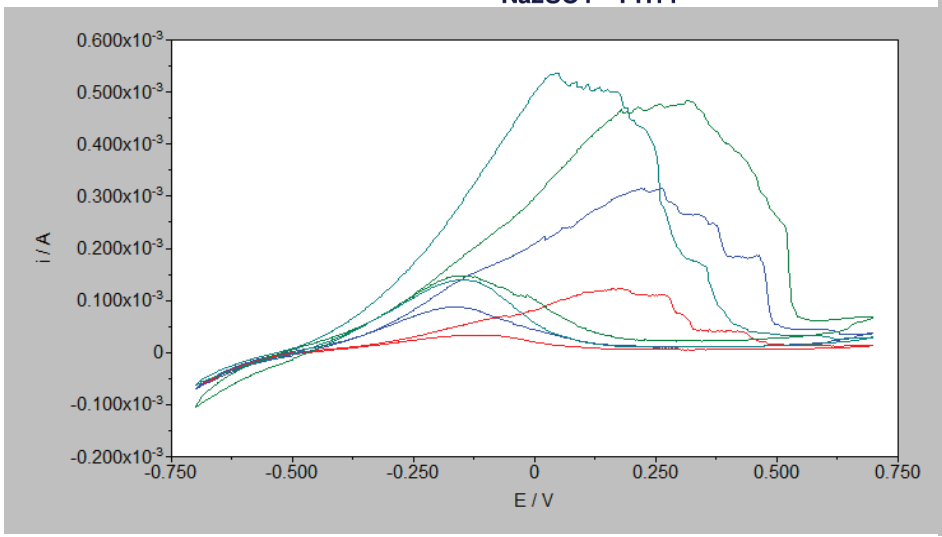
Na2SO4 – PH7



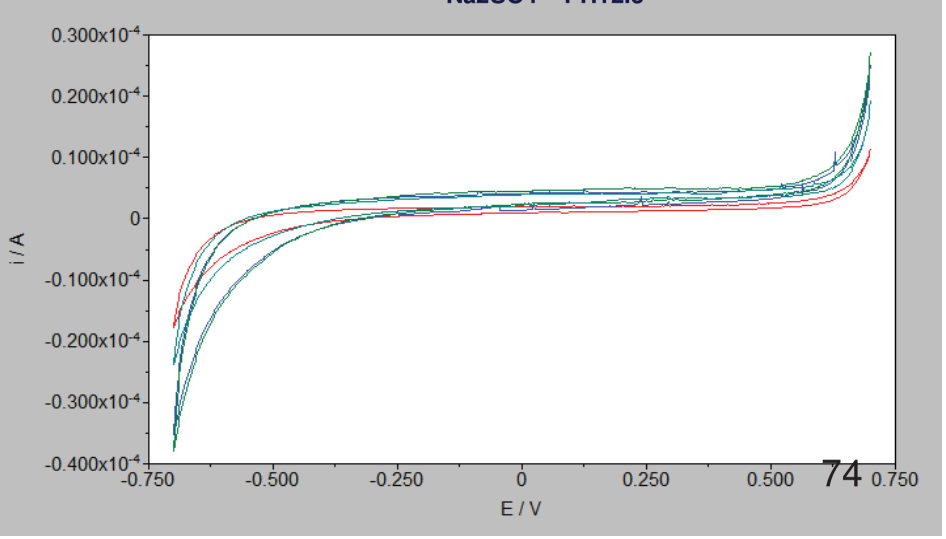
Na2SO4 – PH9



Na2SO4 – PH11



Na2SO4 – PH12.5



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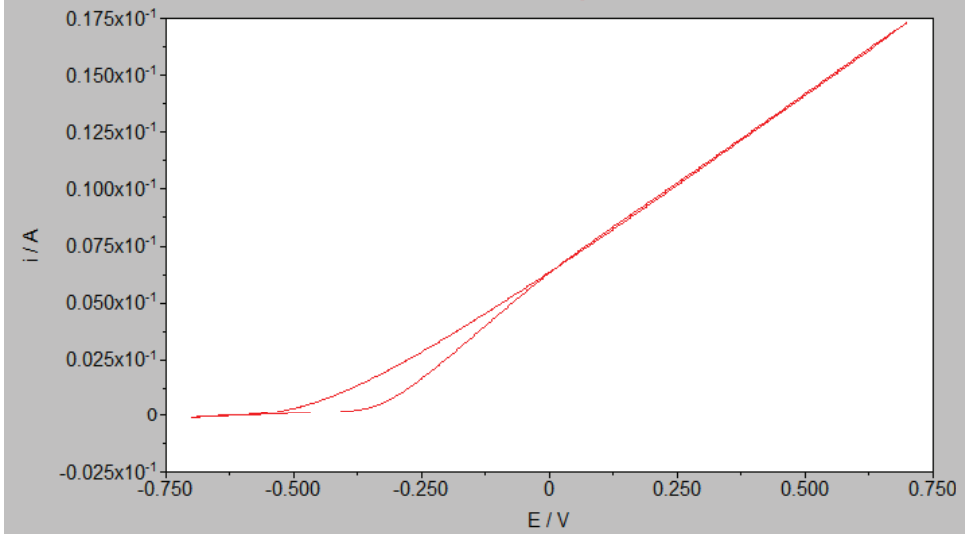
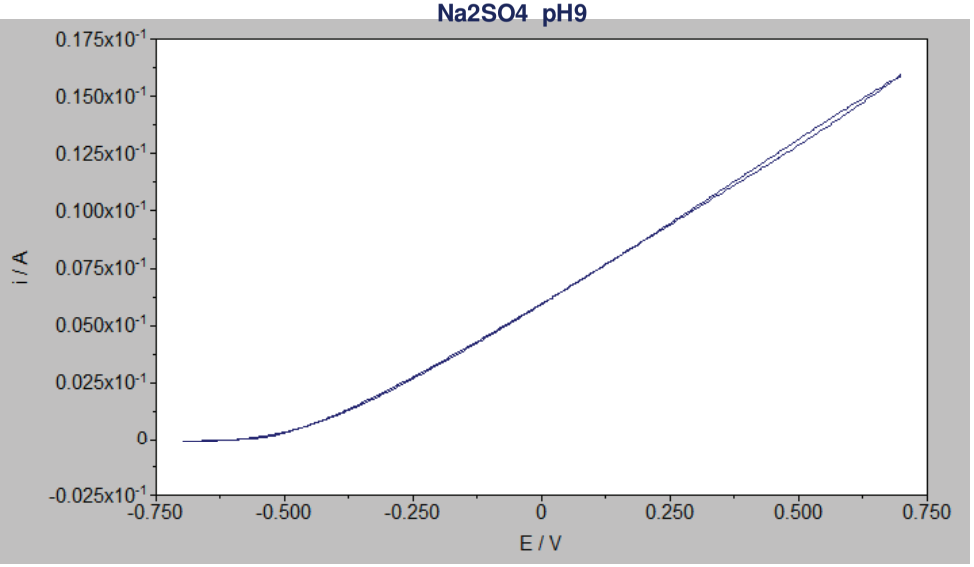
SULFATOS Na2SO4 0.1M
Ih SIKA FERROGARD 901

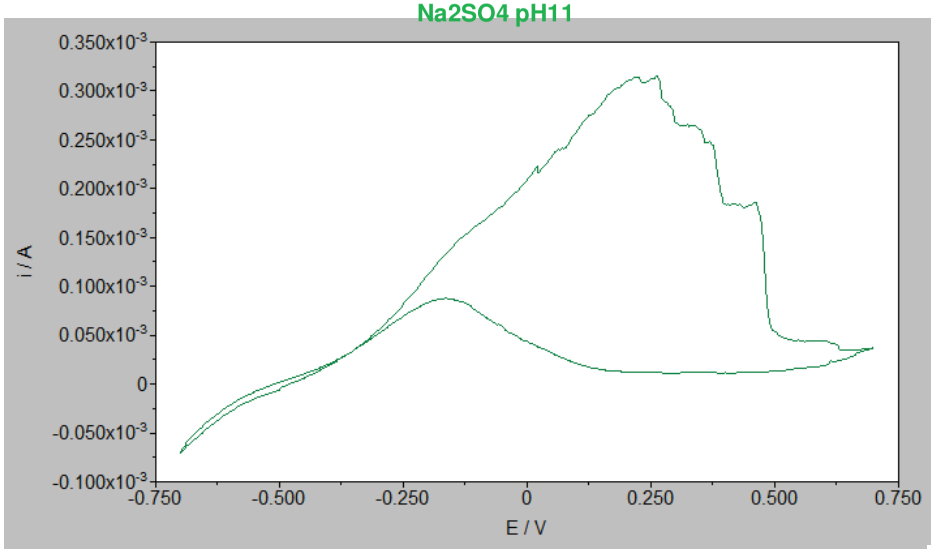
Na2SO4 pH7



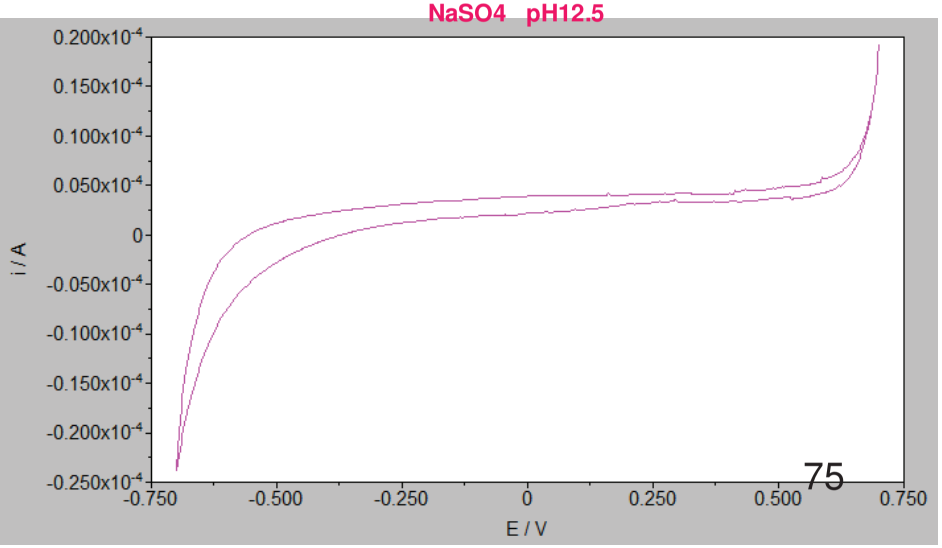
Na2SO4 pH9



Na2SO4 pH11



NaSO4 pH12.5



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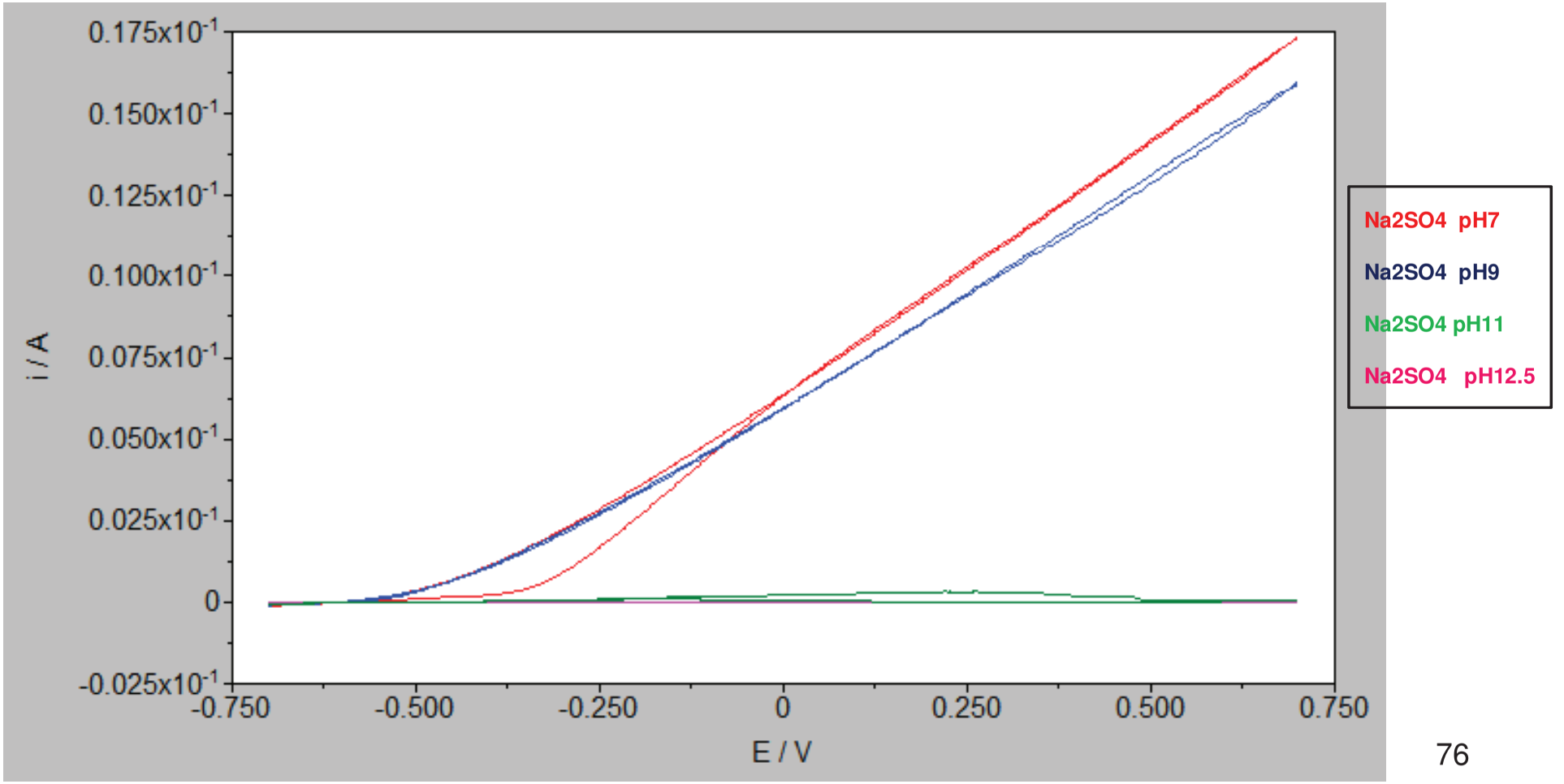
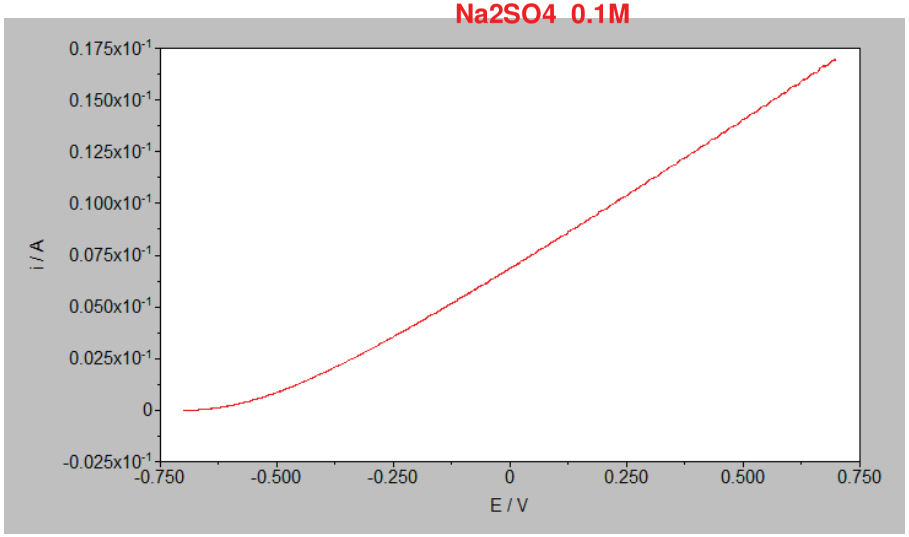
SULFATOS Na2SO4 0.1M
Ih SIKA FERROGARD 901

SUPERPOSICIÓN DISTINTOS PH

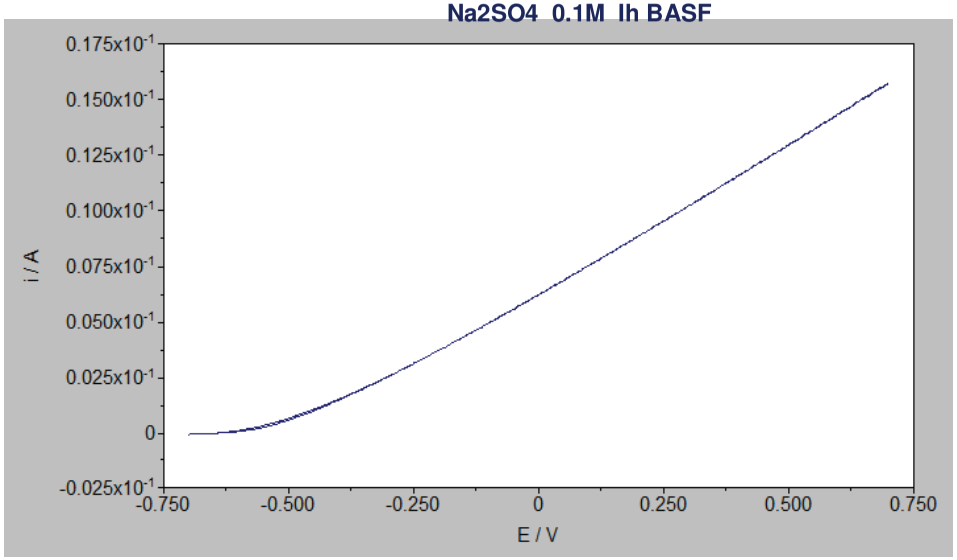


SULFATOS Na2SO4 0.1M Ph 7

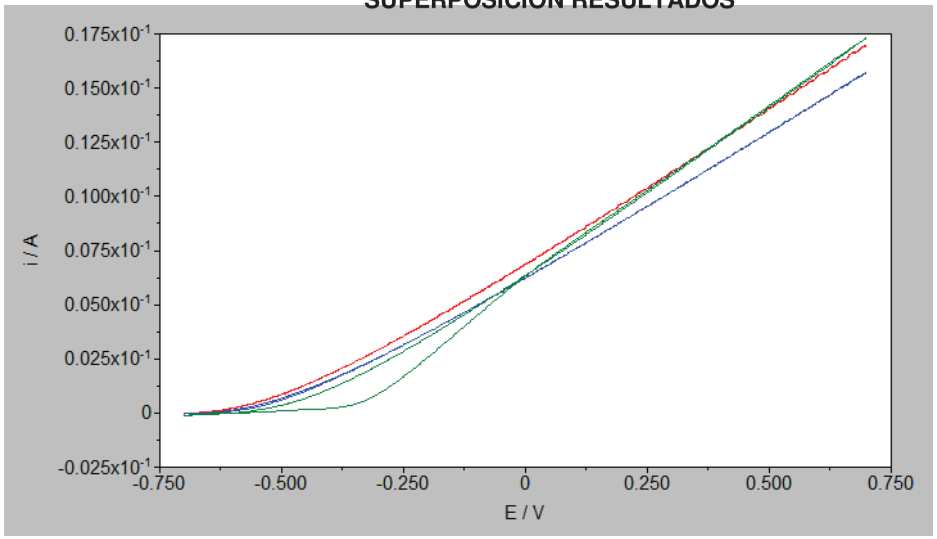
Na2SO4 0.1M



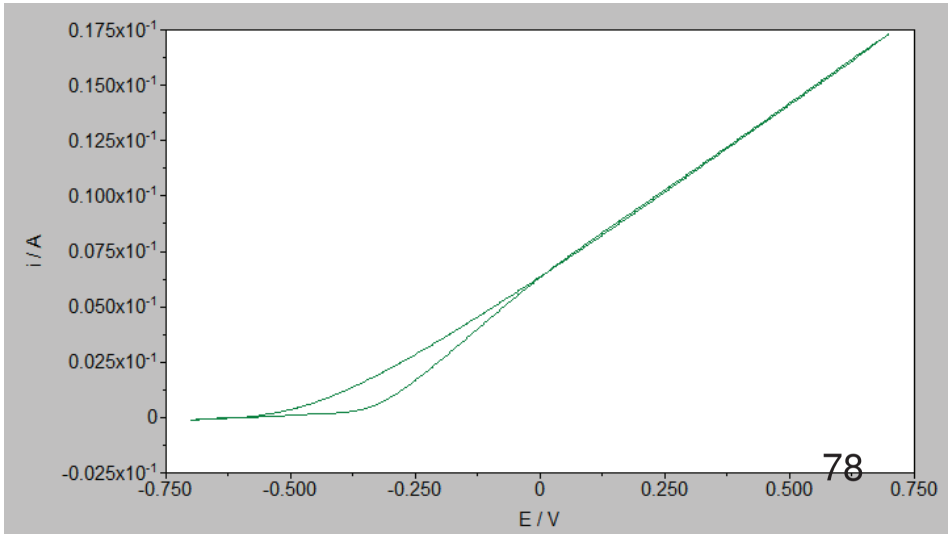
Na2SO4 0.1M Ih BASF



SUPERPOSICIÓN RESULTADOS

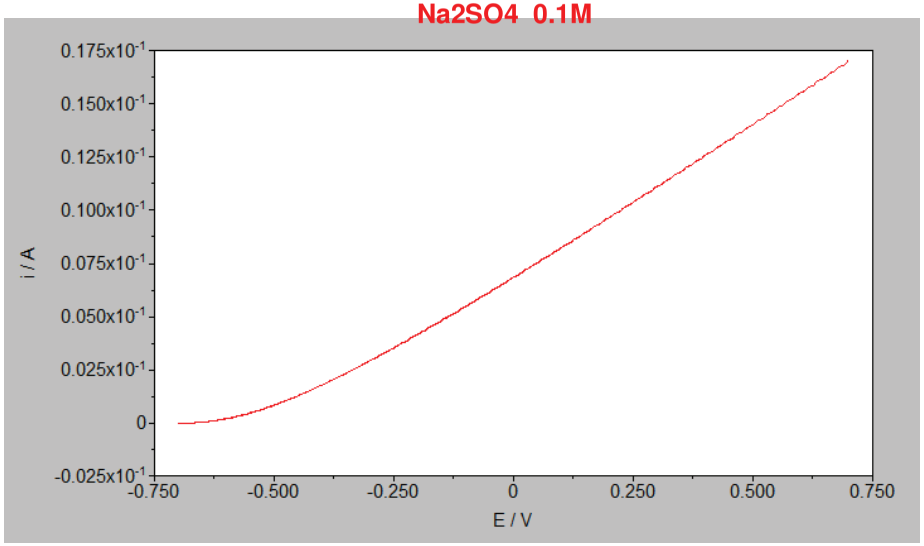


Na2SO4 0.1M Ih SIKA

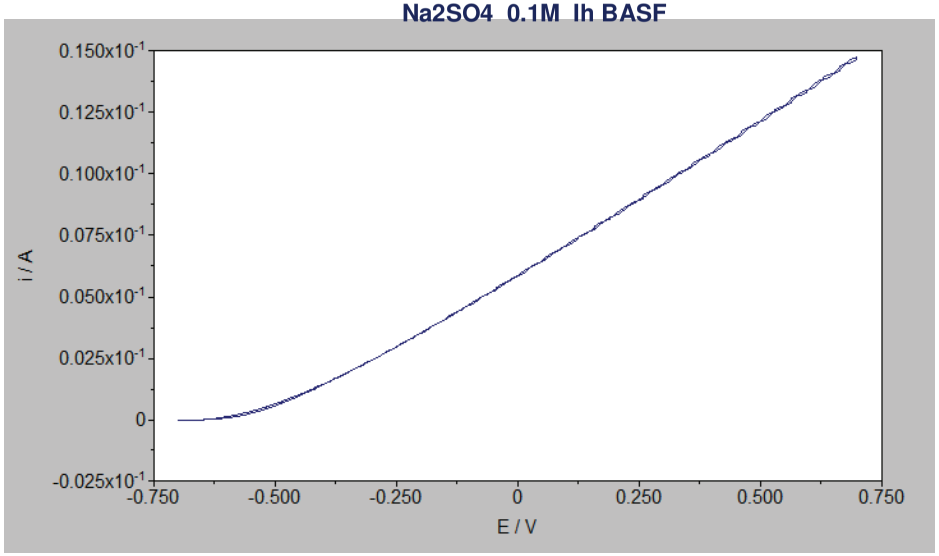


SULFATOS Na2SO4 0.1M Ph 9

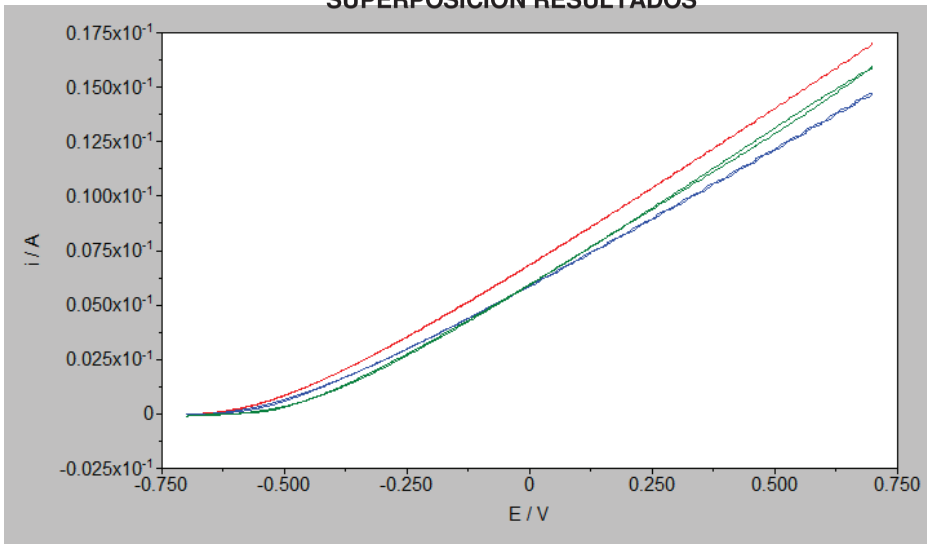
Na2SO4 0.1M



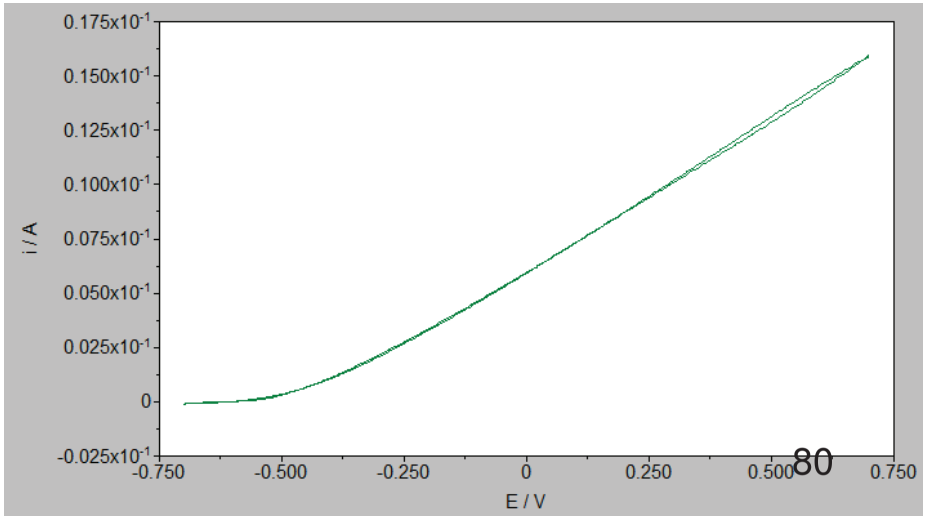
Na2SO4 0.1M Ih BASF



SUPERPOSICIÓN RESULTADOS

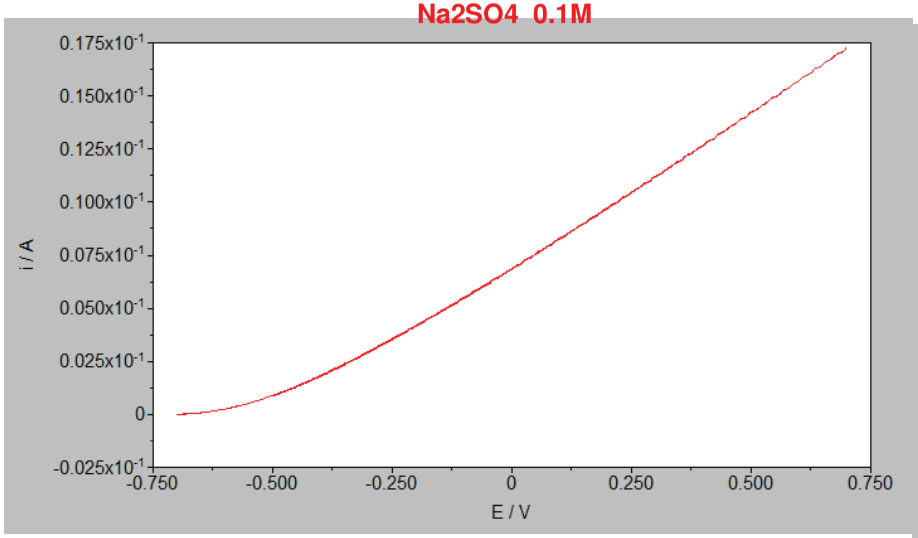


Na2SO4 0.1M Ih SIKA

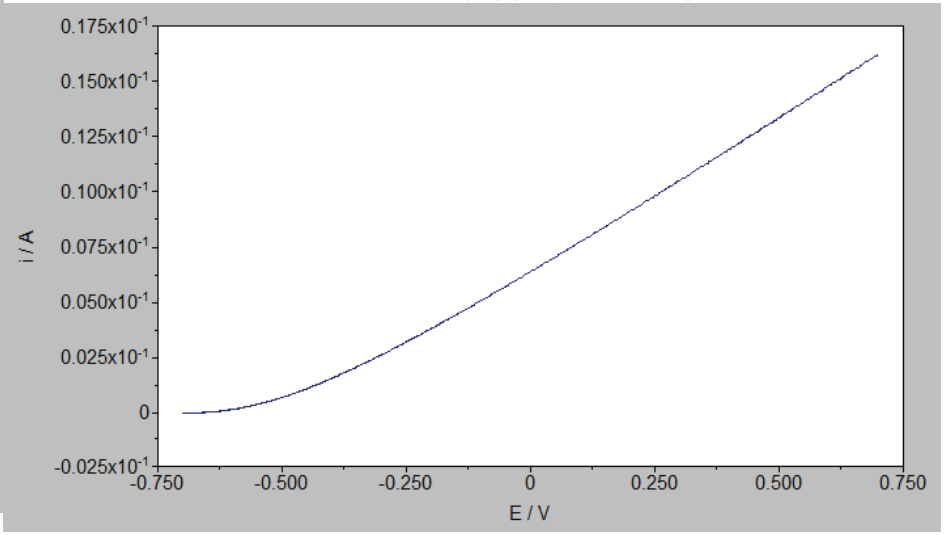


SULFATOS Na2SO4 0.1M Ph 11

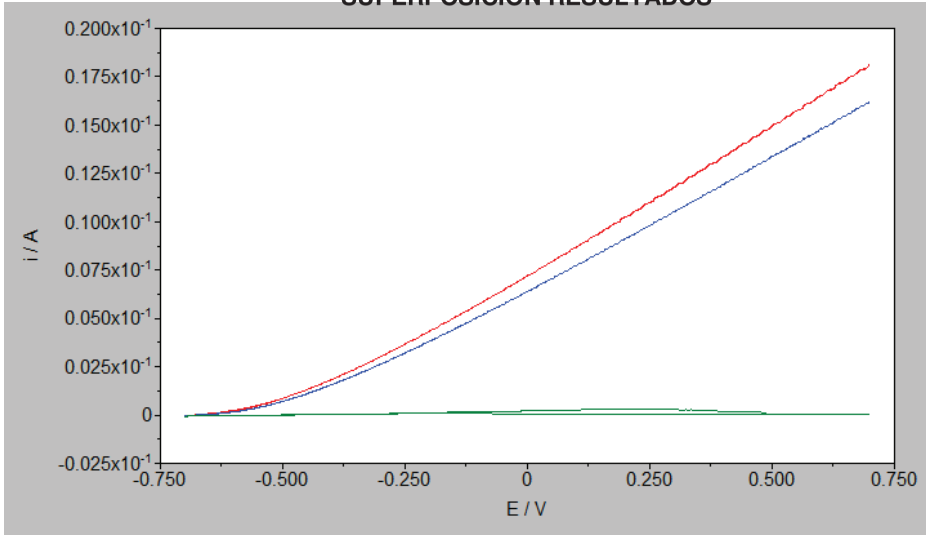
Na2SO4 0.1M



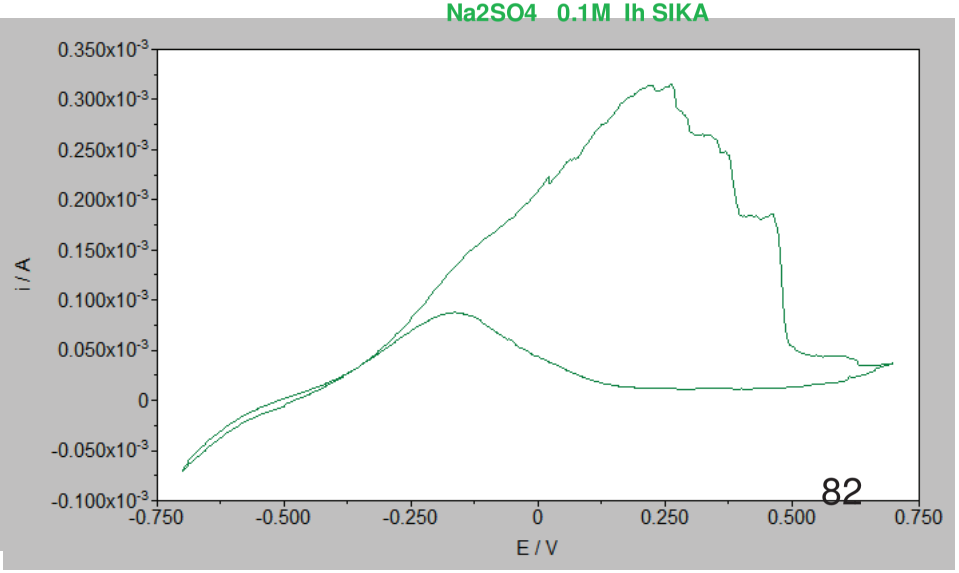
Na2SO4 0.1M Ih BASF



SUPERPOSICIÓN RESULTADOS

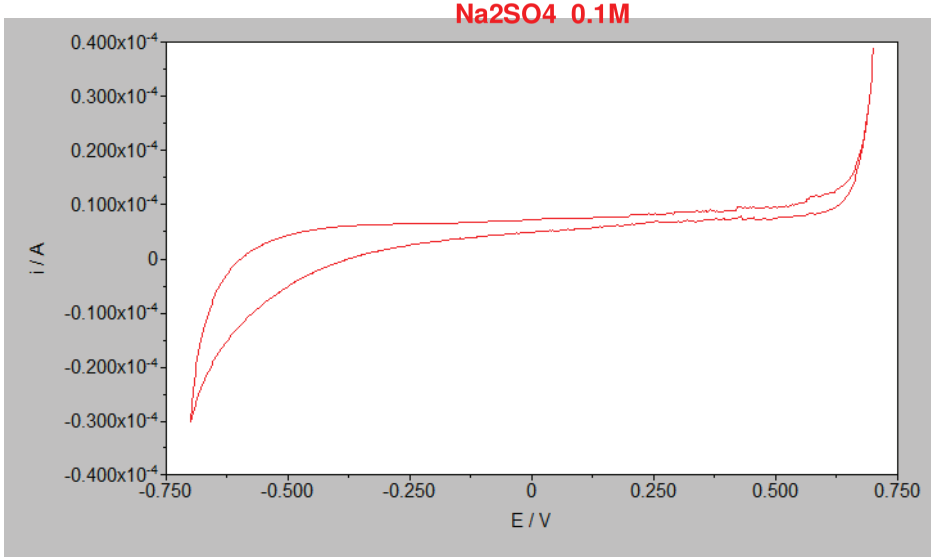


Na2SO4 0.1M Ih SIKA

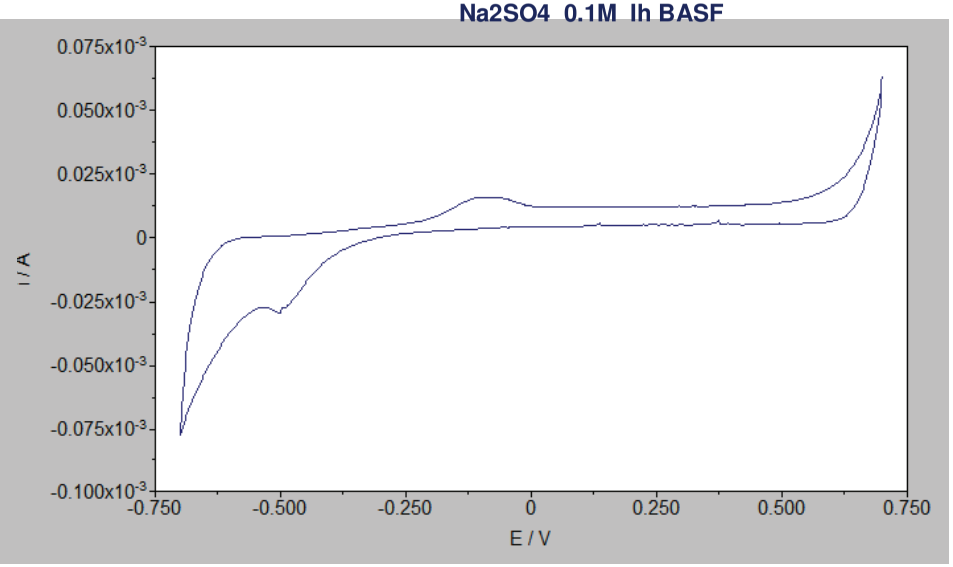


SULFATOS Na2SO4 0.1M Ph 12.5

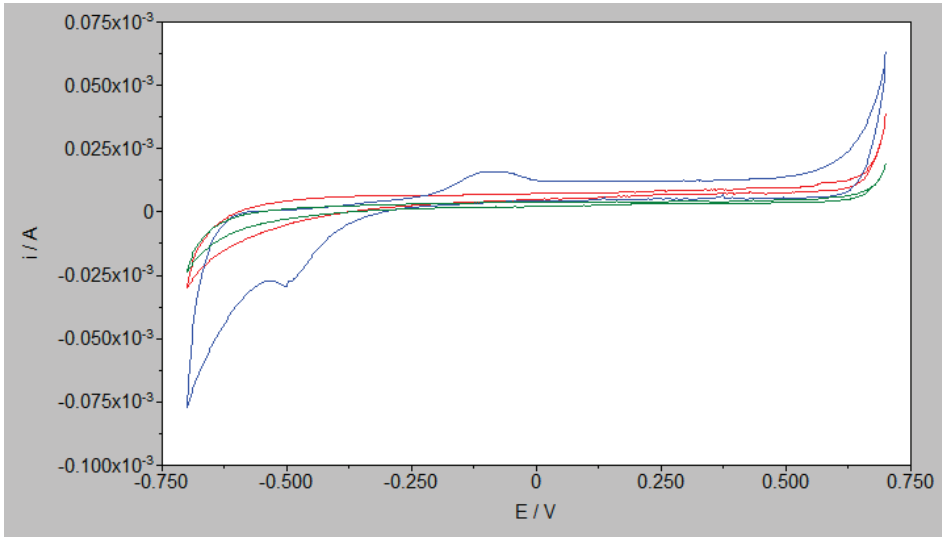
Na2SO4 0.1M



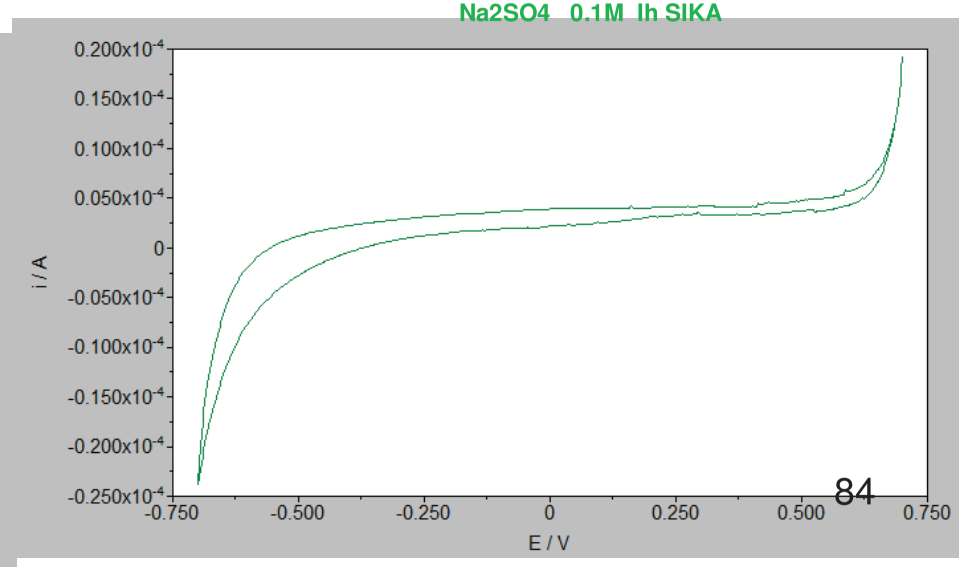
Na2SO4 0.1M Ih BASF

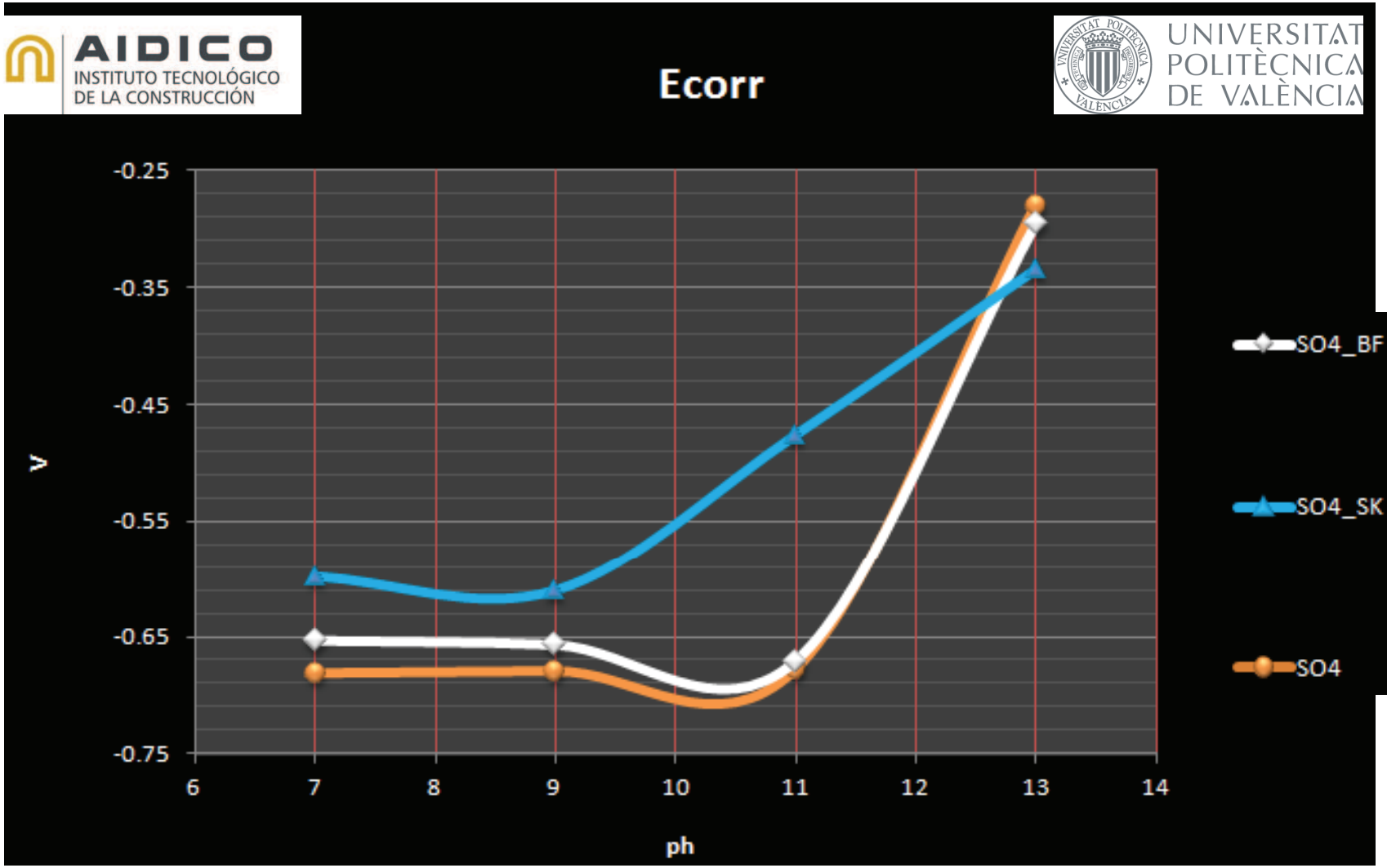


SUPERPOSICIÓN RESULTADOS

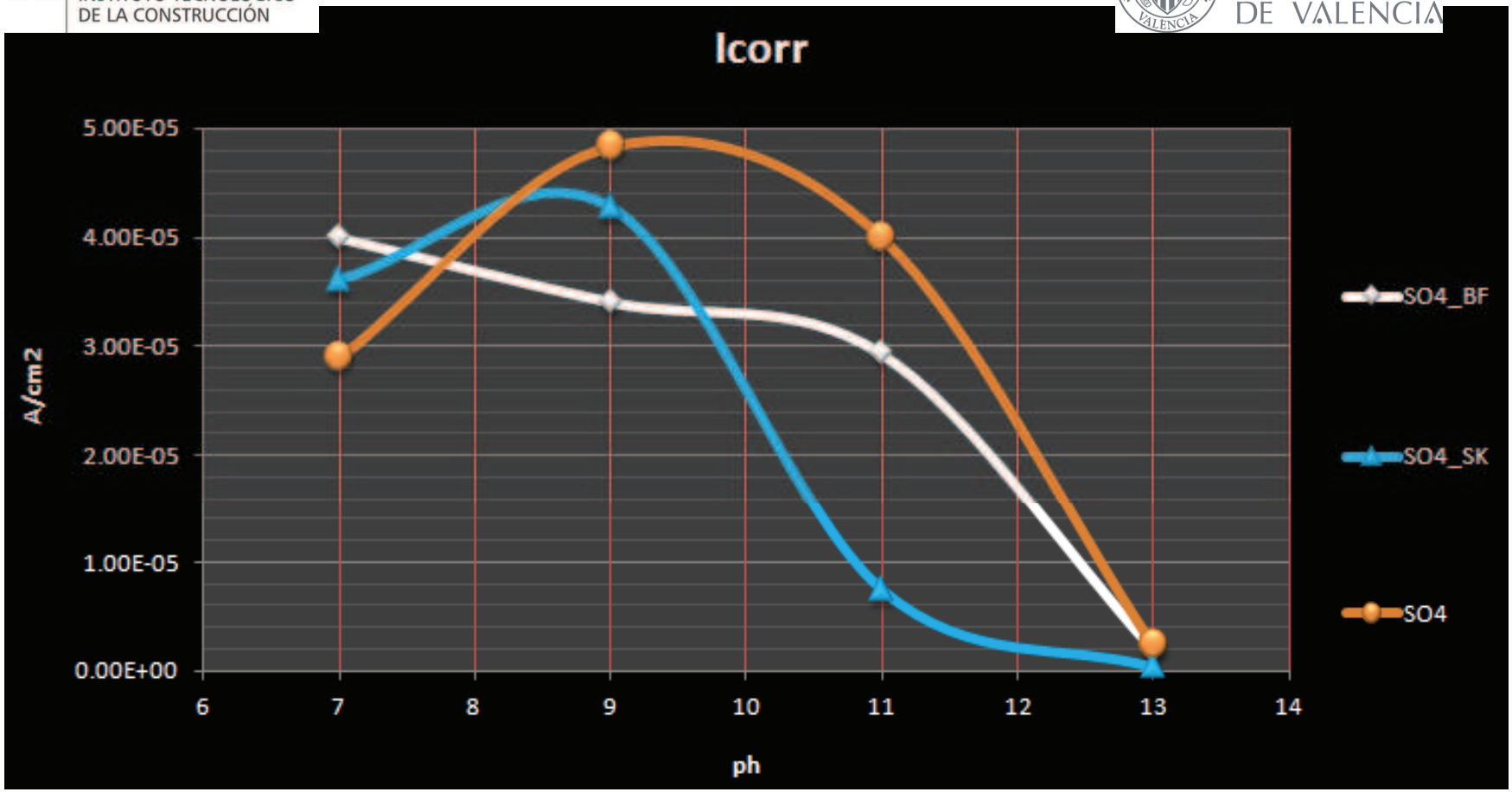


Na2SO4 0.1M Ih SIKA

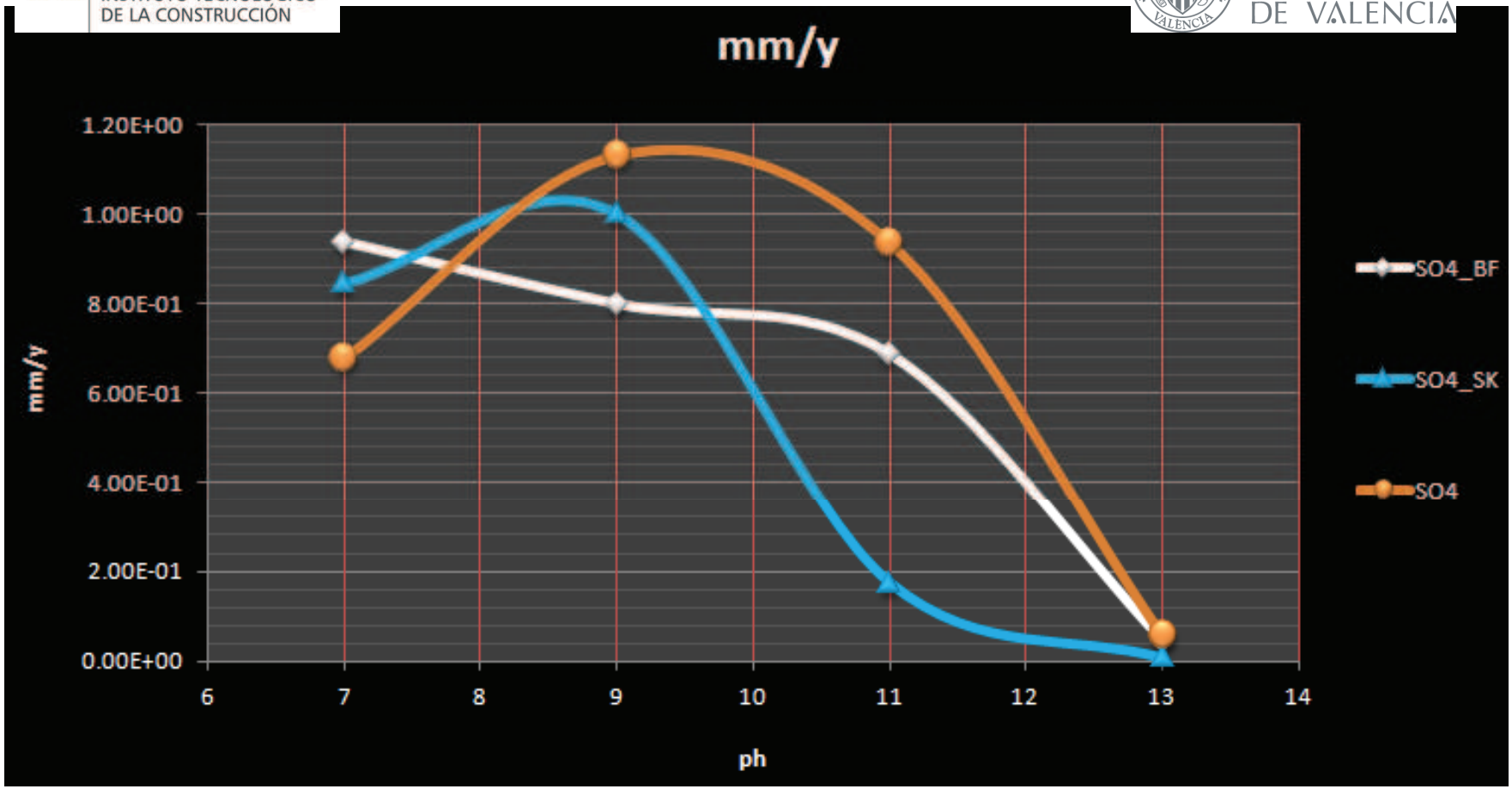




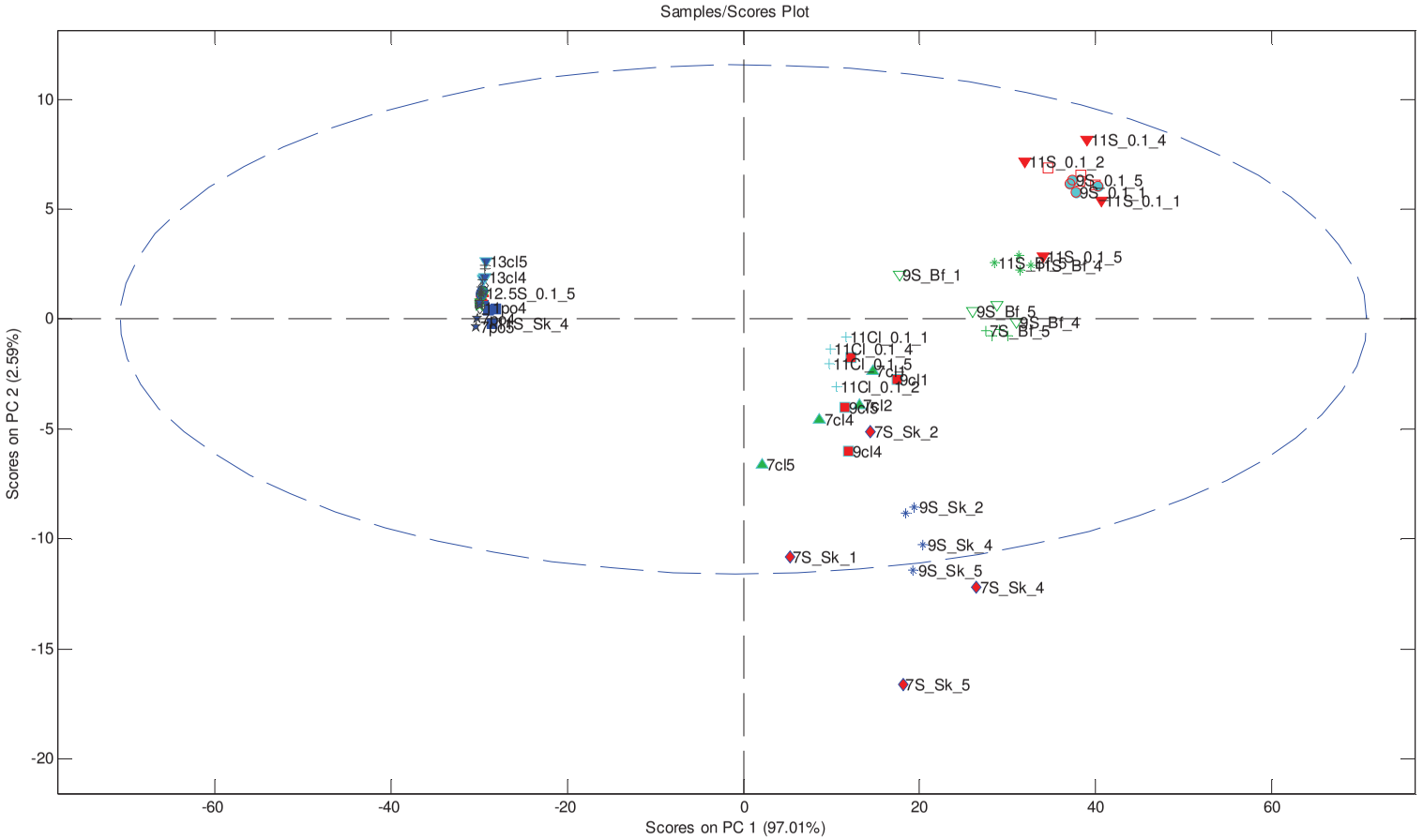
	Ecorr		
ph	SO4_BF	SO4_SK	SO4
7	-0.65	-0.60	-0.68
9	-0.66	-0.61	-0.68
11	-0.67	-0.48	-0.68
13	-0.30	-0.33	-0.28



	Icorr		
ph	SO4_BF	SO4_SK	SO4
7	4.00E-05	3.62E-05	2.90E-05
9	3.41E-05	4.28E-05	4.83E-05
11	2.93E-05	7.48E-06	4.00E-05
13	1.97E-06	3.32E-07	2.44E-06



	mm/y		
ph	SO4_BF	SO4_SK	SO4
7	9.37E-01	8.47E-01	6.78E-01
9	7.99E-01	1.00E+00	1.13E+00
11	6.87E-01	1.75E-01	9.35E-01
13	4.60E-02	7.77E-03	5.71E-02


Samples/Scores Plot
Scores on PC 2 (2.59%)
Scores on PC 1 (97.01%)
10
5
0
-5
-10
-15
-20
-60
-40
-20
0
20
40
60
11S_0.1_4
11S_0.1_2
9S_0.1_5
9S_0.1_1
11S_0.1_1
13cl5
13cl4
12.5S_0.1_5
11S_0.1_5
11S_Bf_4
9S_Bf_1
9S_Bf_5
9S_Bf_4
7S_Bf_5
11Cl_0.1_1
11Cl_0.1_4
11Cl_0.1_5
7cl3
9cl1
11Cl_0.1_2
9cl3
7cl2
7cl4
7S_Sk_2
9cl4
7cl5
9S_Sk_2
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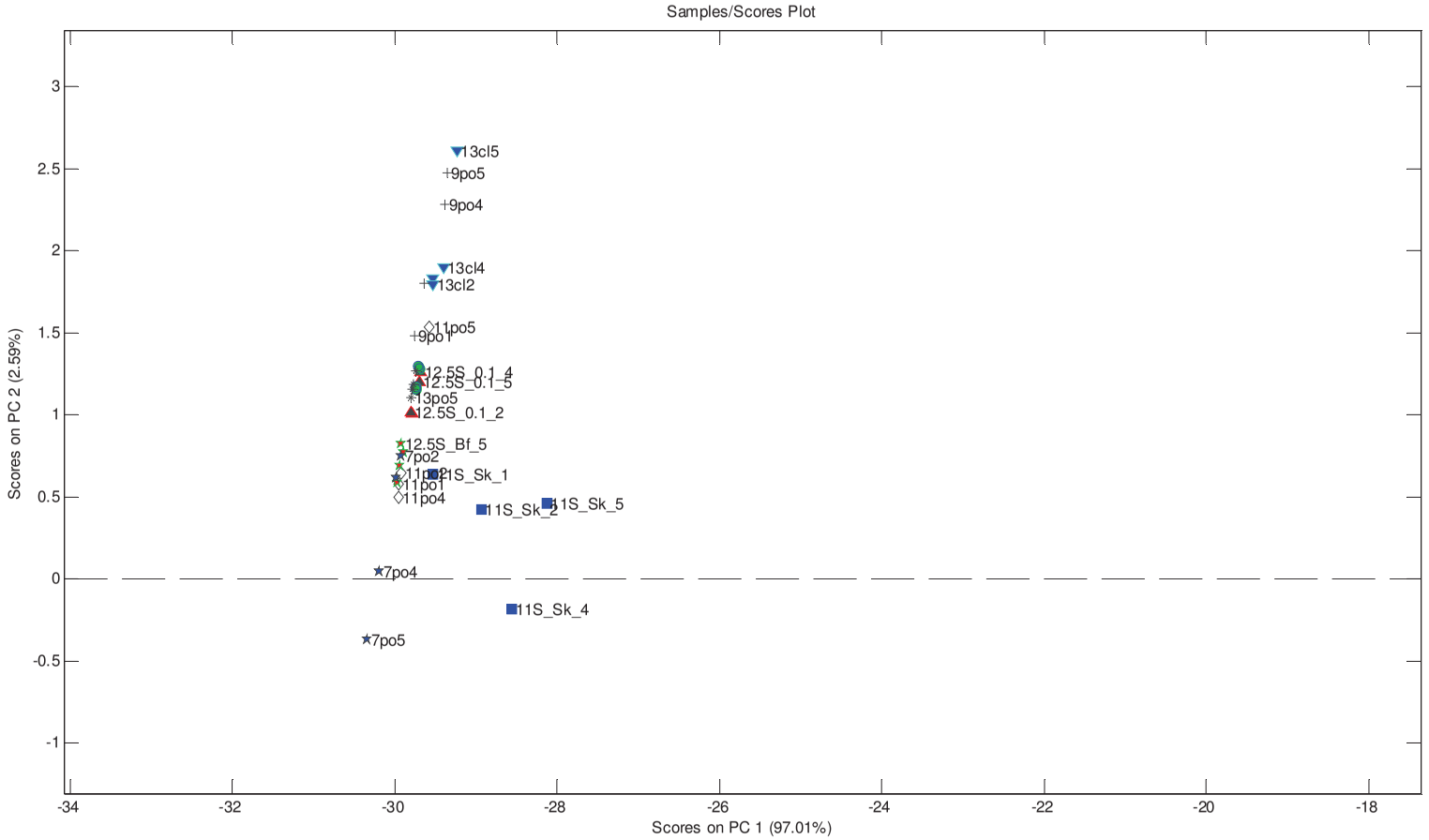
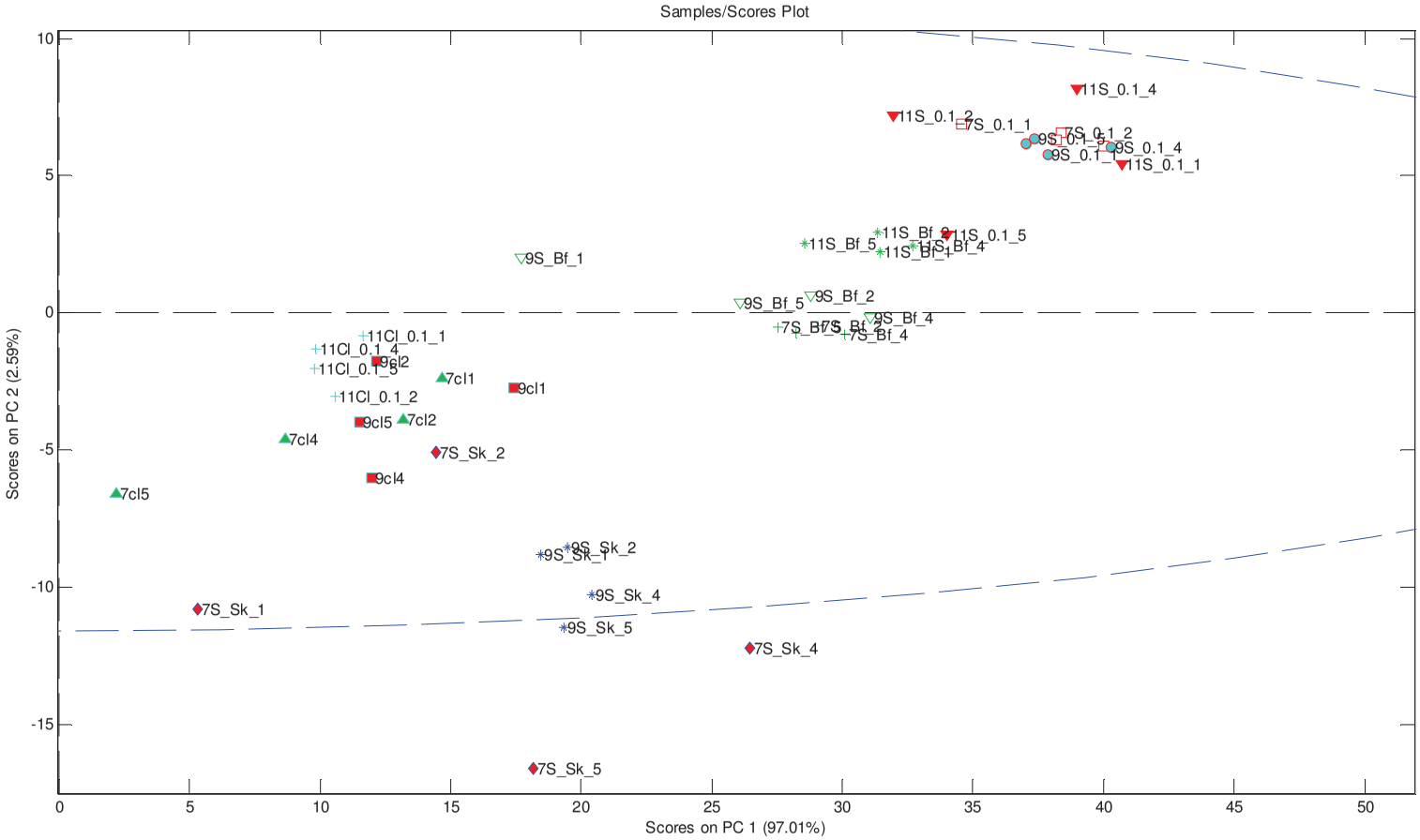
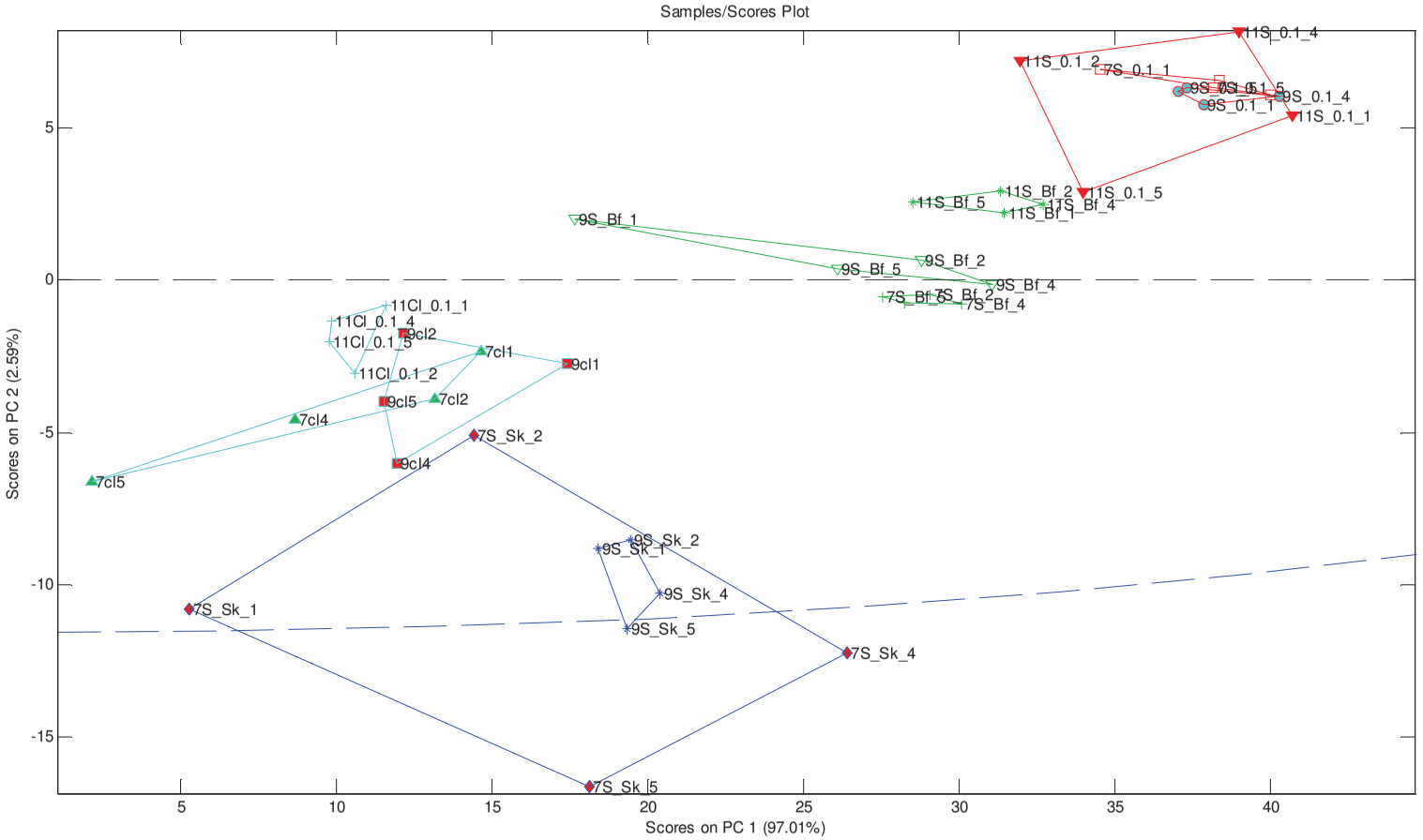
7S_Sk_1
9S_Sk_5
7S_Sk_4
7S_Sk_5



Decluttered


Samples/Scores Plot
Scores on PC 2 (2.59%)
Scores on PC 1 (97.01%)
11S_0.1_4
11S_0.1_2
7S_0.1_1
7S_0.1_2
9S_0.1_5
9S_0.1_4
9S_0.1_1
11S_0.1_1
11S_Bf_3
11S_0.1_5
11S_Bf_5
11S_Bf_4
11S_Bf_1
9S_Bf_1
9S_Bf_5
9S_Bf_2
9S_Bf_4
7S_Bf_3
7S_Bf_2
7S_Bf_4
11Cl_0.1_1
11Cl_0.1_4
9cl2
11Cl_0.1_5
7cl1
9cl1
11Cl_0.1_2
9cl5
7cl2
7cl4
7S_Sk_2
9cl4
7cl5
9S_Sk_2
9S_Sk_1
9S_Sk_4
7S_Sk_1
9S_Sk_5
7S_Sk_4
7S_Sk_5



Decluttered