

w (%) = 2,7
V (mL) = 100

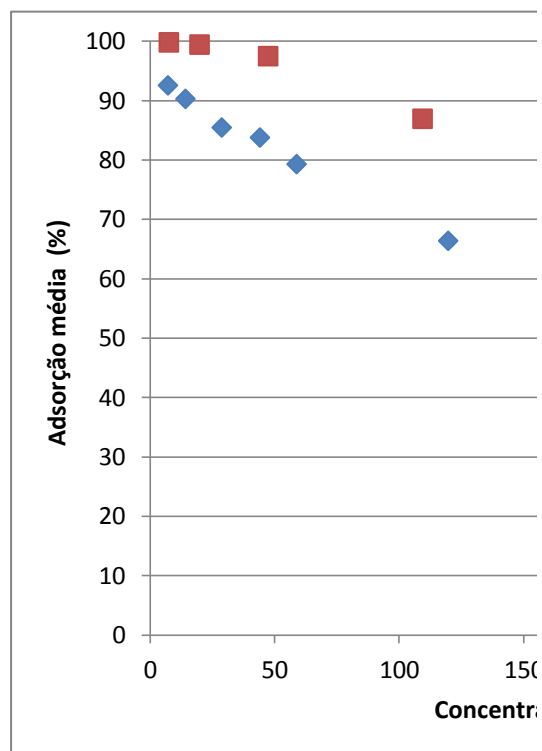
Amostra	c (mg/L)	m (g)	m _s (g)	C _i média (mg/L)	m _{adsorvida} (mg)	S (mg/g)	A (%)	C _e média (mg/L)
pH 3 C1-B1	7,07			7,07				0,5256
pH 3 C1-B2	7,07							
pH 3 C1-1	0,578	25,6755	25,0005		0,6492	0,0260	91,82	
pH 3 C1-2	0,531	25,6727	24,9978		0,6539	0,0262	92,49	
pH 3 C1-3	0,4678	25,6769	25,0019		0,6602	0,0264	93,38	
pH 3 C2-B1	14,31			14,105				1,369333
pH 3 C2-B2	13,9							
pH 3 C2-1	1,308	25,6755	25,0005		1,2797	0,0512	90,73	
pH 3 C2-2	1,356	25,6751	25,0001		1,2749	0,0510	90,39	
pH 3 C2-3	1,444	25,6749	24,9999		1,2661	0,0506	89,76	
pH 3 C3-B1	28,62			28,69				4,169
pH 3 C3-B2	28,76							
pH 3 C3-1	4,12	25,6738	24,9988		2,4570	0,0983	85,64	
pH 3 C3-2	4,39	25,6763	25,0013		2,4300	0,0972	84,70	
pH 3 C3-3	3,997	25,6753	25,0003		2,4693	0,0988	86,07	
pH 3 C4-B1	43,84			44,045				7,143333
pH 3 C4-B2	44,25							
pH 3 C4-1	7,48	25,6753	25,0003		3,6565	0,1463	83,02	
pH 3 C4-2	7,02	25,6745	24,9995		3,7025	0,1481	84,06	
pH 3 C4-3	6,93	25,6743	24,9993		3,7115	0,1485	84,27	
pH 3 C5-B1	59			58,8				12,17
pH 3 C5-B2	58,6							
pH 3 C5-1	12,22	25,6751	25,0001		4,6580	0,1863	79,22	
pH 3 C5-2	12,46	25,6761	25,0011		4,6340	0,1854	78,81	
pH 3 C5-3	11,83	25,6743	24,9993		4,6970	0,1879	79,88	
pH 3 C6-B1	119,1			119,7				40,23667
pH 3 C6-B2	120,3							
pH 3 C6-1	40,27	25,2601	24,5960		7,9430	0,3229	66,36	
pH 3 C6-2	39,9	25,762	25,0847		7,9800	0,3181	66,67	
pH 3 C6-3	40,54	25,172	24,5102		7,9160	0,3230	66,13	

Amostra	c (mg/L)	m (g)	m _s (g)	C _i média (mg/L)	m _{adsorvida} (mg)	S (mg/g)	A (%)	C _e média (mg/L)
pH 5,5 C1-B1	7,85			7,45				0,013967
pH 5,5 C1-B2	7,05							
pH 5,5 C1-1	0,0419	25,1833	24,5212		0,74081	0,0302	99,44	
pH 5,5 C1-2	0	25,4271	24,7586		0,745	0,0301	100,00	
pH 5,5 C1-3	0	25,4732	24,8035		0,745	0,0300	100,00	
pH 5,5 C2-B1	20,86			19,78				0,1109

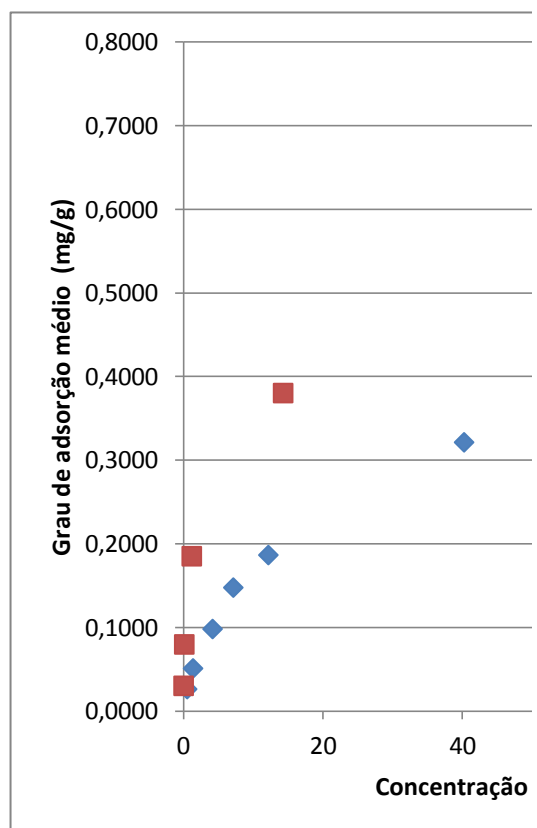
pH 5,5 C2-B	18,7							
pH 5,5 C2-1	0,0815	25,2143	24,5514		1,96985	0,0802	99,59	
pH 5,5 C2-2	0,0338	25,6561	24,9816		1,97462	0,0790	99,83	
pH 5,5 C2-3	0,2174	25,2368	24,5733		1,95626	0,0796	98,90	
pH 5,5 C3-B	46,97			47,335				1,187667
pH 5,5 C3-B	47,7							
pH 5,5 C3-1	1,58	25,4347	24,7660		4,5755	0,1847	96,66	
pH 5,5 C3-2	0,719	25,6825	25,0073		4,6616	0,1864	98,48	
pH 5,5 C3-3	1,264	25,6896	25,0142		4,6071	0,1842	97,33	
pH 5,5 C4-B	110,6			109,4				14,28667
pH 5,5 C4-B	108,2							
pH 5,5 C4-1	15,7	25,6936	25,0181		9,37	0,3745	85,65	
pH 5,5 C4-2	13,29	25,6902	25,0148		9,611	0,3842	87,85	
pH 5,5 C4-3	13,87	25,6807	25,0056		9,553	0,3820	87,32	
pH 5,5 C5-B	287			287,5				109,3
pH 5,5 C5-B	288							
pH 5,5 C5-1	107,9	25,6805	25,0054		17,96	0,7182	62,47	
pH 5,5 C5-2	110,5	25,6828	25,0076		17,7	0,7078	61,57	
pH 5,5 C5-3	109,5	25,6803	25,0052		17,8	0,7119	61,91	

pH 3,0				
ISOTERMA	PARÂMETROS	r^2	EXPRESSÃO FINAL	PARÂMETROS
LINEAR	Kd= 9,1 mL/g	0,6514	S (mg/g) =9,1C (mg/L)	Kd= 6,9 mL/g
FREUNDLICH	f = 41,6 mL/g e $\epsilon = 0,5$	0,9911	S (mg/g) =41,6C ^{0,58} (mg/L)	f = 152,9 mL/g e $\epsilon = 0,3$
LANGMUIR	a = 0,2267 e b = 0,242	0,9888	(mg/g) = 0,05/(1+0,24C) C em g/L	a = 0,2267 e b = 10,533

ADSORÇÃO EM FUNÇÃO DA CONCENTRAÇÃO



GRAU DE ADSORÇÃO EM FUNÇÃO DA CONCENTRAÇÃO

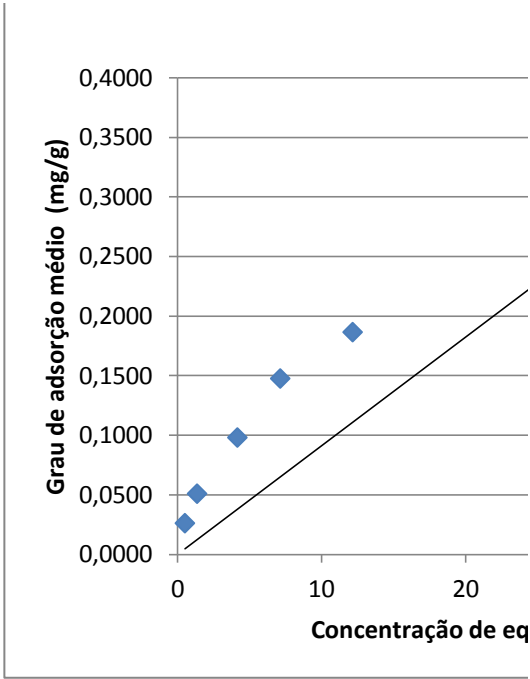


ISOTERMA LINEAR

$S_{\text{média}}$ (mg/g)	$A_{\text{média}}$ (%)	1/C	1/S
0,0262	92,57	1,90	38,20
0,0509	90,29	0,73	19,63
0,0981	85,47	0,24	10,20
0,1476	83,78	0,14	6,77
0,1865	79,30	0,08	5,36
0,3213	66,39	0,02	3,11

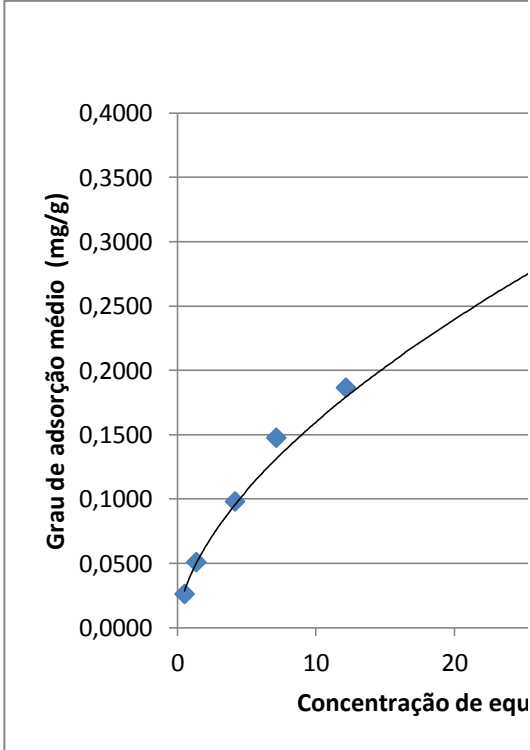
$S_{\text{média}}$ (mg/g)	$A_{\text{média}}$ (%)	1/C	1/S
0,0301	99,81	71,60	33,21
0,0796	99,44	9,02	12,56

0,1851	97,49	0,84	5,40
0,3803	86,94	0,07	2,63
0,7126	61,98	0,01	1,40

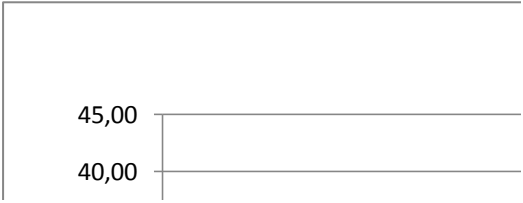


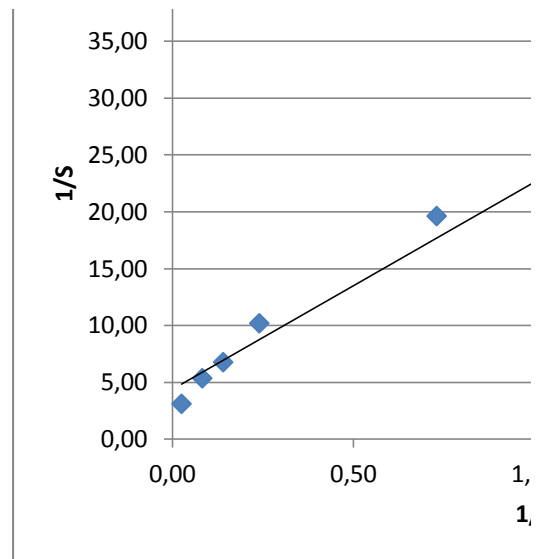
ISOTERMA DE FREUNDLICH

pH 5,5	
r ²	EXPRESSÃO FINAL
0,6131	S (mg/g) =6,9C (mg/L)
0,9908	S (mg/g) =152,9C ^{0,35} (mg/L)
0,9523	mg/g) = 2,39/(1+0,10,53C) C em

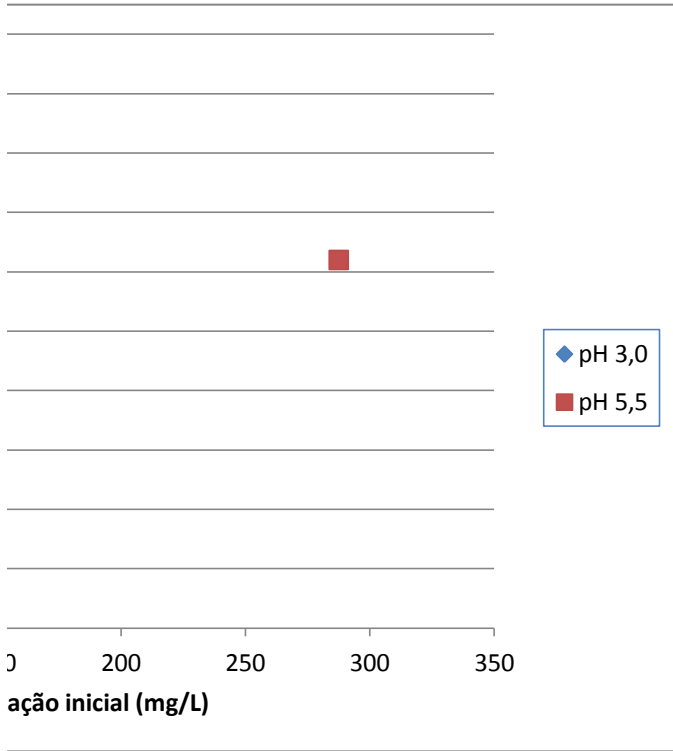


ISOTERMA DE LANGMUIR

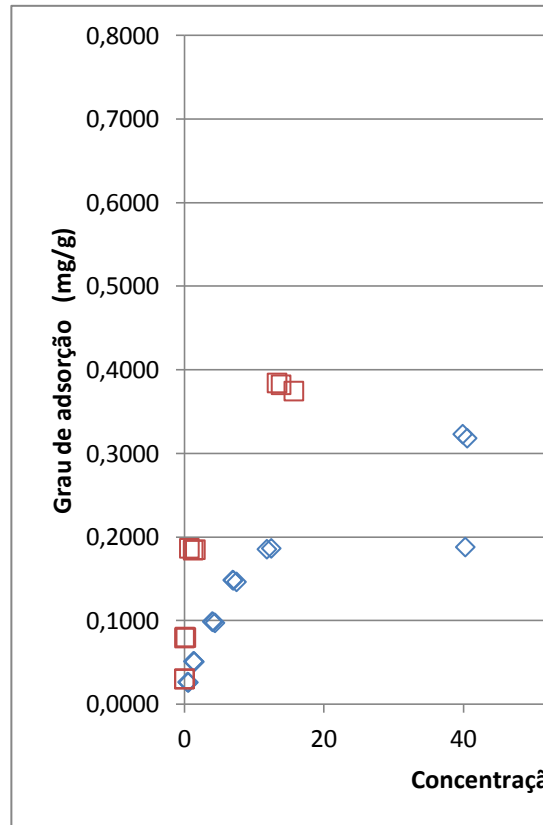
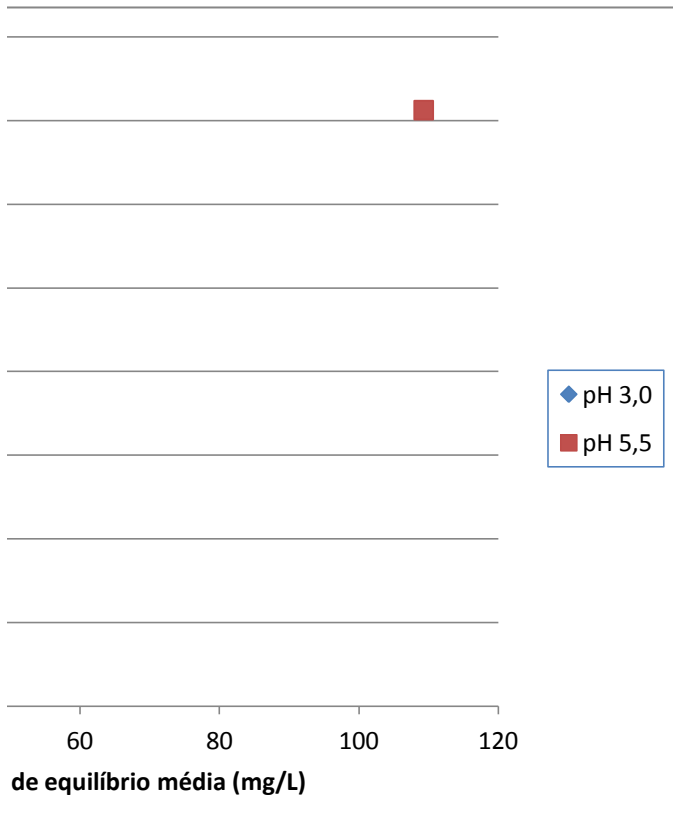




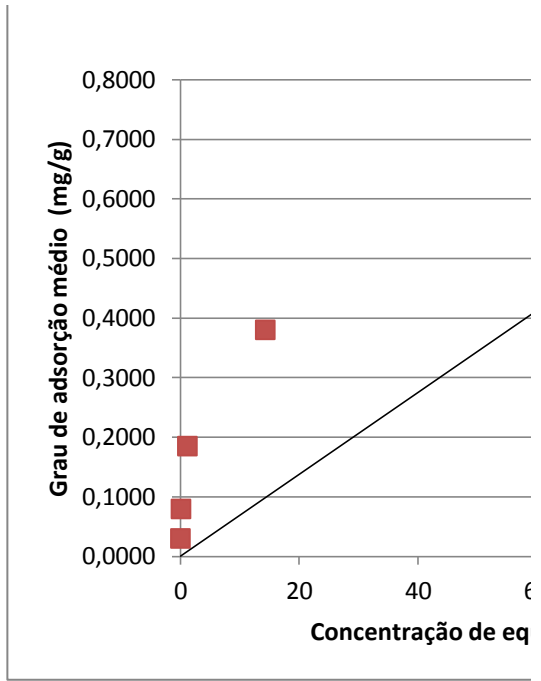
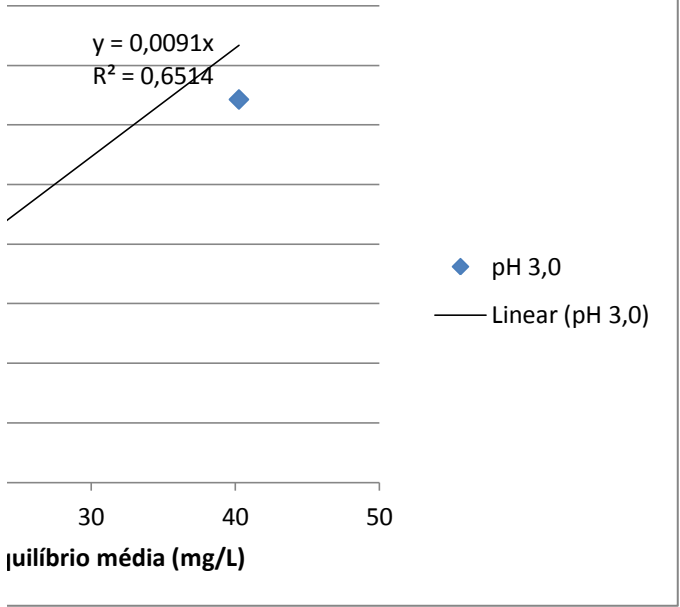
CONCENTRAÇÃO INICIAL



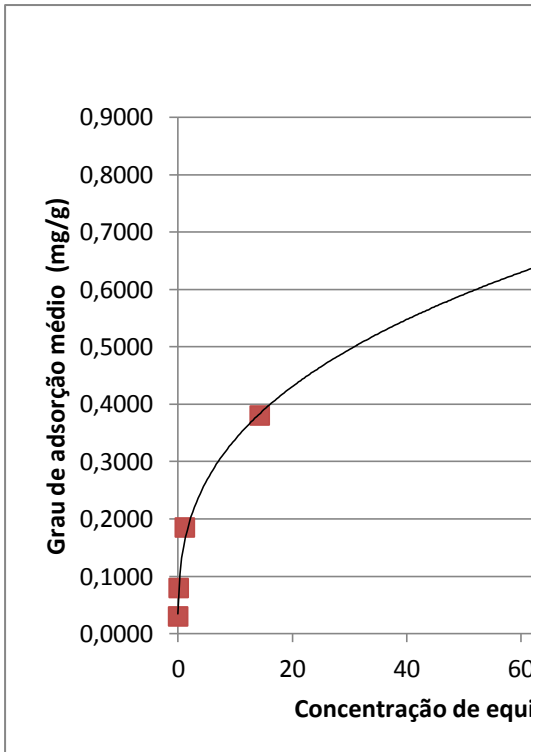
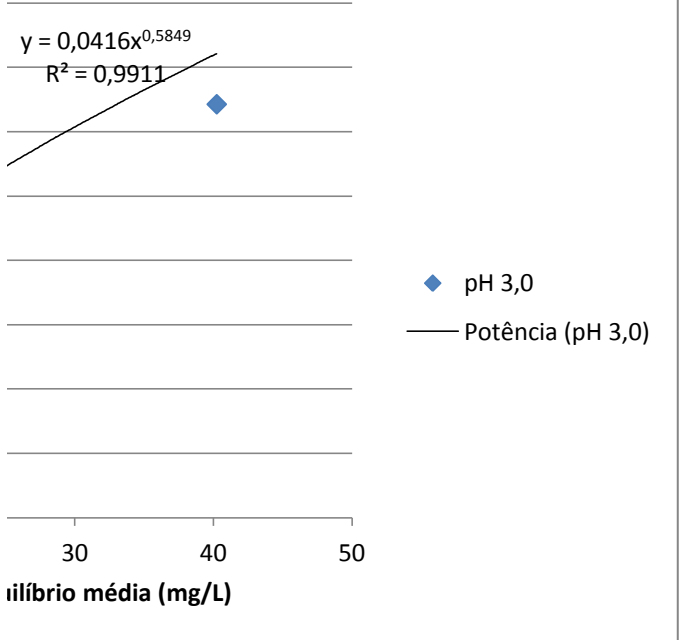
CENTRAÇÃO DE EQUILÍBRIO (ISOTERMA)



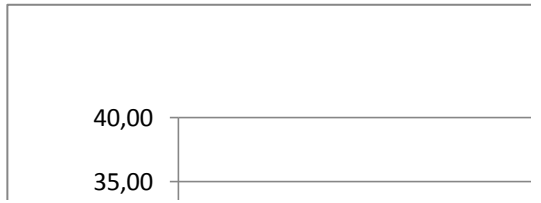
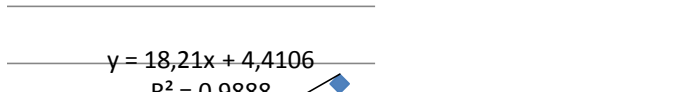
pH 3,0

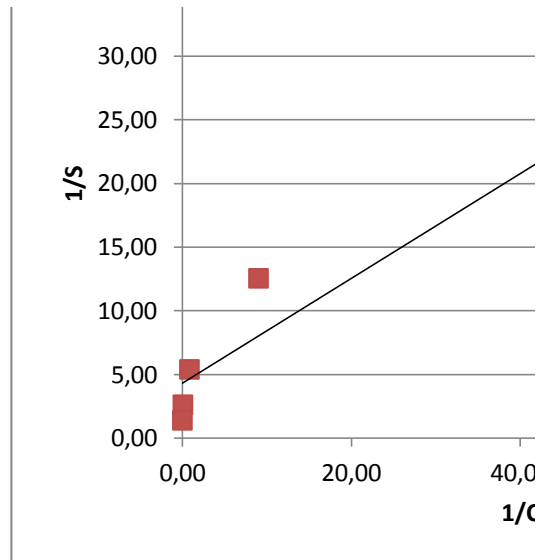
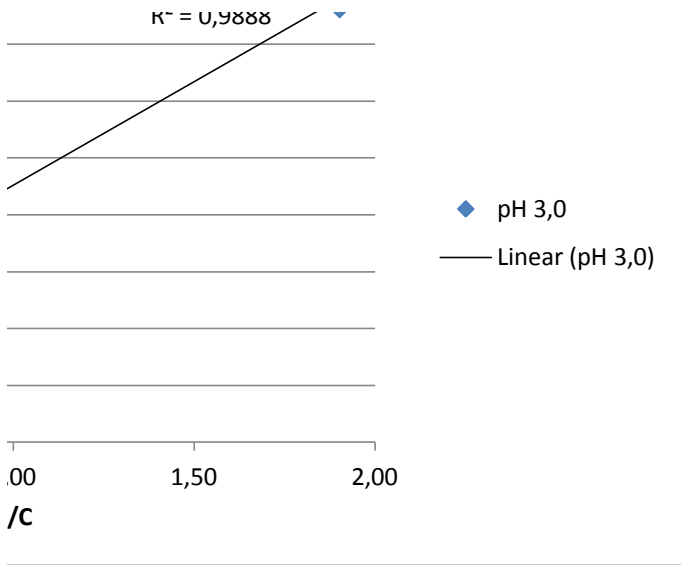


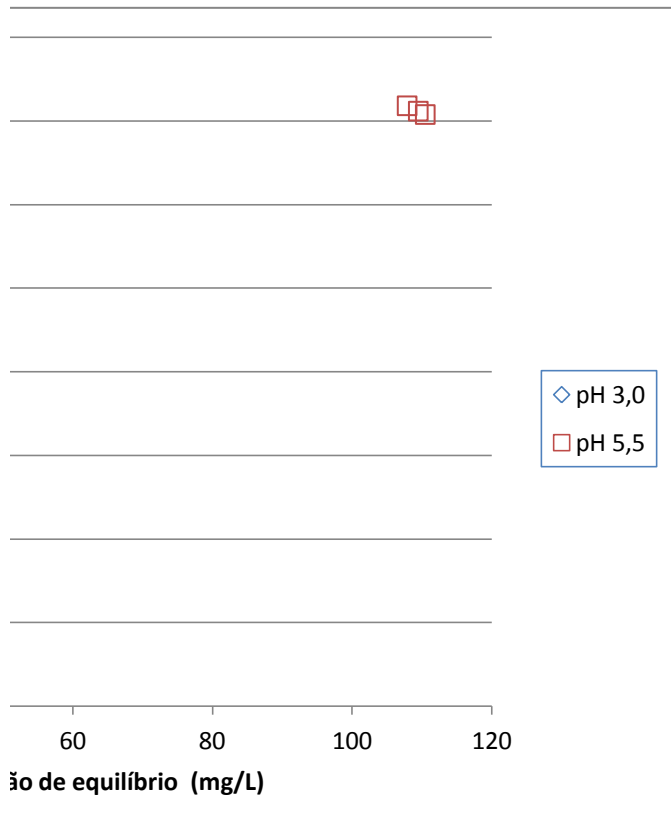
pH 3,0



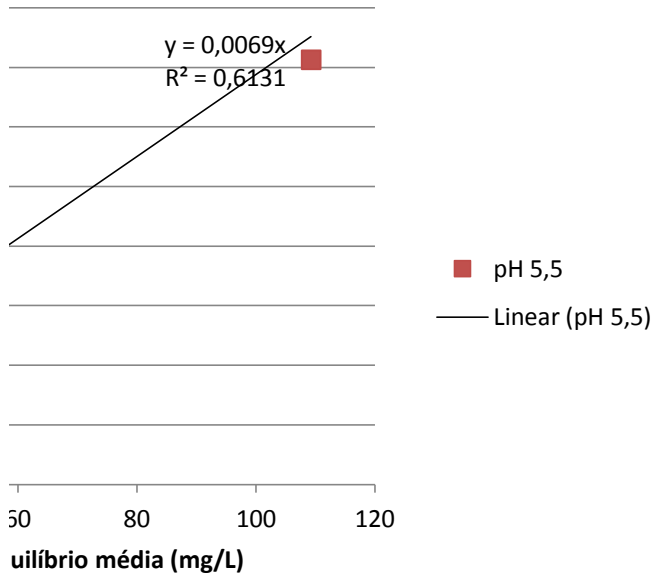
pH 3,0



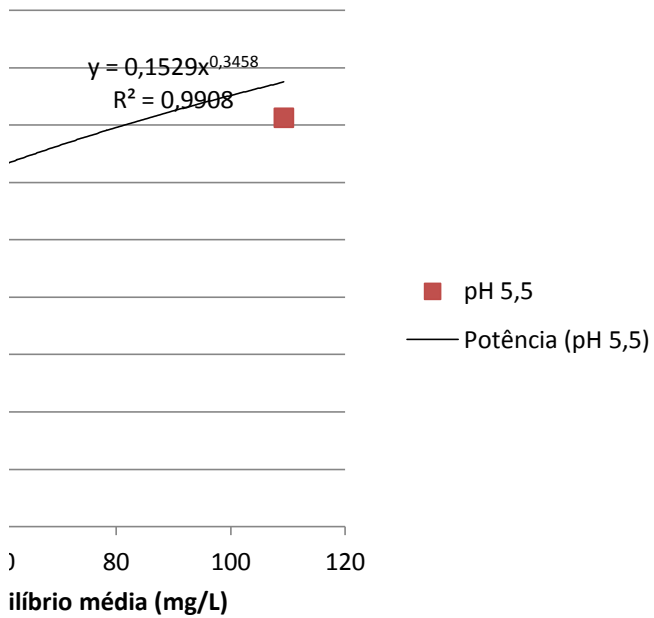




pH 5,5



pH 5,5



pH 5,5

$y = 0,4113x + 4,3326$

