

7. Referências Bibliográficas

1. H. Beraldo, D. Gambino, *Mini-Reviews on Medicinal Chemistry* 4 (2004) 159.
2. H. Beraldo, *Química Nova* 27 (2004) 461.
3. D.X. West, A. Liberta, S.B. Padhye, R.C. Chikate, P.B. Sonawane, A.S. Kumbhar, R.G. Yerande, *Coord. Chem. Rev.* 123 (1993) 49.
4. S.B. Padhye, G.B. Kaufman, *Coord. Chem. Rev.* 63 (1985) 127.
5. D.X. West, S. Padhye, P.B. Sonawane, *Structure and Bonding* 76 (1991) 127.
6. R.W. Brockman, J.R. Thompson, M.J. Bell, H.E. Skipper, *Cancer Res.* 16 (1956) 167.
7. F.A. French, E.J. Blanz Jr., *Cancer Res.* 25 (1965) 1454.
8. F.A. French, E.J. Blanz Jr., *J. Med. Chem.* 9 (1966) 585.
9. A.E. Liberta, D.X. West, *Biometals* 5 (1992) 121.
10. J.P. Scovill, D. Klayman, C. Lambros, G.E. Childs, J.D. Notsch, *J. Med. Chem.* 27 (1984) 87.
11. D.X. West, J.K. Swearing, J.V. Martínez, S.H. Ortega, A.K. Sawaf, F.V. Merus, A. Castiñeiras, I. Garcia, E. Bermejo, *Polyhedron* 18 (1999) 2919.
12. A.G. Quiroga, J.M. Perez, E.I. Montero, J.R. Masaguer, C. Alonso, C.C. Navarro-Ranninger, *J. Inorg. Biochem.* 70 (1998) 117.
13. D.R. Richardson, *Critical Reviews in Oncology/Hematology* 42 (2002) 267.
14. G. Nocentini, *Crit. Rev. Oncol./Hematol.* 22 (1996) 89.

15. H. Beraldo, L. Tosi, *Journal of the Royal Netherlands Chemical Society* 106 (1987) 390.
16. R.H. Borges, A. Abras, H. Beraldo, *J. Bras. Chem. Soc.* 8 (1997) 1.
17. H. Beraldo, E. Fantini, R.H.U. Borges, M.A. Rocha, L. Tosi, A. Abras, *Inorg. Chim. Acta* 172 (1990) 113.
18. R.H. Borges, A. Abras, H. Beraldo, *J. Inorg. Biochem.* 65 (1997) 267.
19. B.S. Garg, R. Dixit, S.R. Singh, R.P. Singh, *Thermochimica Acta* 198 (1992) 207.
20. B.S. Garg, V. Saxena, R. Dixit, *Thermochimica Acta* 195 (1992) 169.
21. D. Singh, R.V. Singh, *J. Inorg. Biochem.* 15 (1993) 2.
22. J.M. Siqueira, M.D. Bomm, N.F.G. Pereira, W.S. Garcez, M.A.D. Boaventura, *Química Nova* 21 (1998) 557.
23. J.L. McLaughlin, L.L. Rogers, J.E. Anderson, *Drug Information Journal* 32 (1998) 513.
24. L. Alderighi, *Coord. Chem. Rev.* 184 (1999) 311.
25. P. Gans, A. Sabatini, A. Vacca, *J. Chem. Soc. Dalton Trans.* (1995) 1195.
26. B.N. Meyer, N.R. Ferrigni, J.E. Putnam, L.B. Jacobsen, D.E. Nichols, J.L. McLaughlin, *J. Med. Plant Res.* 45 (1982) 31.
27. I.A. Nascimento, M.M.S. Araújo, *Ecotoxicology and Enviromental Restoration* 2 (1999) 41.
28. L.F. Veiga, N.A. Vital, M.R. Portela, F.F. Oliveira. PETROBRÁS/CENPES/SUPESQ/DITER, (Projeto 04.05.27) Rio de Janeiro, 1989.
29. M. Joseph, A. Sreekanth, V. Suni, M.R. Prathapachandra Kurup, *Spectrochimica Acta Part A* 64 (2006) 637.

30. A. Sreekanth, Hoong-Kun Fun, M.R. Prathapachandra Kurup, *J. Mol. Struct.* 737 (2005) 61.
31. A. Altun, M. Kumru, A. Dimoglo, *J. Mol. Struct. (Theochem.)* 535 (2001) 235.
32. C.F. Baes, R.E. Mesmer. The Hydrolysis of Cations. *Editora Malabar, Florida*, 1976.
33. L.M. Fostiak, I. Garcia, J.K. Swearingen, E. Bermejo, A. Castiñeiras, D.X. West, *Polyhedron* 22 (2003) 83.
34. I. Garcia, E. Bermejo, A.K. El Sawaf, A. Castiñeiras, D.X. West, *Polyhedron* 21 (2002) 729.
35. L.R. Lima, L.R.S. Teixeira, T.M.G. Carneiro, H. Beraldo, *J. Bras. Chem. Soc.* 10 (1999) 184.
36. R.C. Chikate, S.B. Padhye, *Polyhedron* 24 (2005) 1689.
37. A.S. Dobek, D.L. Klayman, J.P. Scovill, E.T. Dickson Jr., *J. Chemother.* 32 (1986) 25.
38. A.P. Rebolledo, M. Vieites, D. Gambino, O.E. Piro, E.E. Castellano, C.L. Zani, E.M. Souza-Fagundes, L.R. Teixeira, A.A. Batista, H. Beraldo, *J. Inorg. Biochem.* 99 (2005) 698.
39. A.P. Rebolledo, G.M. De Lima, L.N. Gambi, N.L. Speziali, D.F. Maia, C.B. Pinheiro, J.D. Ardisson, M.E. Corte's, H. Beraldo, *Appl. Organometal. Chem.* 17 (2003) 945.
40. R.F.F. Costa, A.P. Rebolledo, T. Matencio, H.D.R. Calado, J.D. Ardisson, M.E. Cortes, B.L. Rodrigues, H. Beraldo, *J. Coord. Chem.* 58 (2005) 1307.
41. S. Stoll, A. Schweiger, *J. Magn. Reson.* 178 (2006) 42.
42. M.M.B. Pessoa, G.F.S. Andrade, M.R. dos Santos, M.L.A. Temperini, *J. Electroanal. Chem.* 545 (2003) 117.

43. A. Perez-Rebolledo, O.E. Piro, E.E. Castellano, Letícia R. Teixeira, A.A. Batista, H. Beraldo, J. Molec. Struct. 794 (2006) 18.
44. R.P. John, A. Sreekanth, V. Rajakannan, T.A. Ajith, M.R. Prathapachandra Kurup, Polyhedron 23 (2004) 2549.
45. A.E. Graminha, A.A. Batista, J. Ellena, E.E. Castellano, L.R. Teixeira, I.C. Mendes, H.Beraldo, J. Molec. Struct., in press.
46. A. Sreekanth, M.R. Prathapachandra Kurup, Polyhedron 23 (2004) 969.
47. P. Bera, N. Saha, S. Kumar, D. Banerjee, R. Bhattacharya, Transition Met. Chem. 24 (1999) 425.
48. V.I. Goldanskii, R.H. Herber, Chemical Application of Mossbauer Spectroscopy. Academic Press, New York. 1968.
49. L.P. Santos Pimenta, G.B. Pinto, J.A. Takahashi, L.G.F. Silva, M.A.D. Boaventura, Phytomedicine 10 (2003) 209.
50. D.J. Finney, Probit Analysis, Cambridge University Press, Cambridge, 1971.
51. M.G. Nipper, V.A. Prosperi, N.S. Zamboni, Bull. Environ. Contam. Toxicol. 50 (1993) 646.
52. R.M. Khan, S.M. Mlungwana, Phytochemistry, 50 (1999) 439.
53. D.C. Ware, B.D. Palmer, W.R. Wilson, W.A. Denny, J. Med. Chem. 36 (1993) 1839.

ANEXO I

Titulações potenciométricas

- 2-piridinoformamida tiossemicarbazonas

V(mL)KOH	H2Am4DH	H2Am4Me	H2Am4Et	H2Am4Ph
0	3,32	3,674	3,715	3,056
0,1	3,444	3,755	3,81	3,189
0,2	3,582	3,845	3,914	3,249
0,3	3,741	3,948	4,033	3,311
0,4	3,935	4,07	4,168	3,382
0,5	4,196	4,222	4,328	3,468
0,6	4,404	4,441	4,542	3,597
0,7	4,685	4,697	4,877	3,745
0,8	5,115	4,928	5,126	3,972
0,9	5,35	5,45	5,521	4,495
1	5,98	5,918	7,207	5,747
1,1	10,057	8,955	8,063	6,203
1,2	10,432	9,635	9,26	6,435
1,3	10,666	9,94	9,769	6,602
1,4	10,829	10,13	10,027	6,802
1,5	10,961	10,265	10,205	6,95
1,6	11,063	10,375	10,335	7,13
1,7	11,153	10,46	10,44	7,35
1,8	11,226	10,535	10,523	7,66
1,9	11,291	10,596	10,593	8,385
2	11,349	10,655	10,654	9,43
2,1	11,387	10,7	10,708	9,86
2,2	11,429	10,747	10,757	10,092
2,3	11,464	10,79	10,8	10,26
2,4	11,497	10,827	10,839	10,388
2,5	11,526	10,862	10,875	10,488
2,6	11,555	10,895	10,907	10,569
2,7	11,583	10,923	10,938	10,637
2,8	11,609	10,949	10,967	10,699
2,9	11,632	10,975	10,993	10,75
3	11,653	11,002	11,018	10,798

- Complexos de Cu(II) de 2-piridinoformamida tiossemicarbazonas na razão metal:ligante 1:1

V(mL)KOH	Cu:H2Am4DH	Cu:H2Am4Me	Cu:H2Am4Et	Cu:H2Am4Ph
0	3,089	3,186	3,195	3,346
0,1	3,137	3,231	3,196	3,408
0,2	3,265	3,303	3,2	3,478
0,3	3,422	3,387	3,362	3,559
0,4	3,625	3,491	3,511	3,662
0,5	3,94	3,614	3,698	3,79
0,6	4,584	3,778	3,952	3,963
0,7	5,542	4,017	4,399	4,242
0,8	6,351	4,48	5,157	4,852
0,9	7,311	5,276	6,051	5,927
1	8,49	6,026	7,193	6,962
1,1	9,281	6,894	8,795	8,622
1,2	9,76	7,426	9,595	9,294
1,3	10,093	8,032	10,021	9,685
1,4	10,36	8,457	10,313	9,968
1,5	10,562	8,814	10,529	10,181
1,6	10,731	9,014	10,691	10,347
1,7	10,863	9,296	10,82	10,48
1,8	10,976	9,576	10,926	10,587
1,9	11,07	9,757	11,016	10,679
2	11,151	10	11,093	10,759
2,1	11,22	10,206	11,16	10,828
2,2	11,283	10,373	11,222	10,889
2,3	11,343	10,51	11,276	10,944

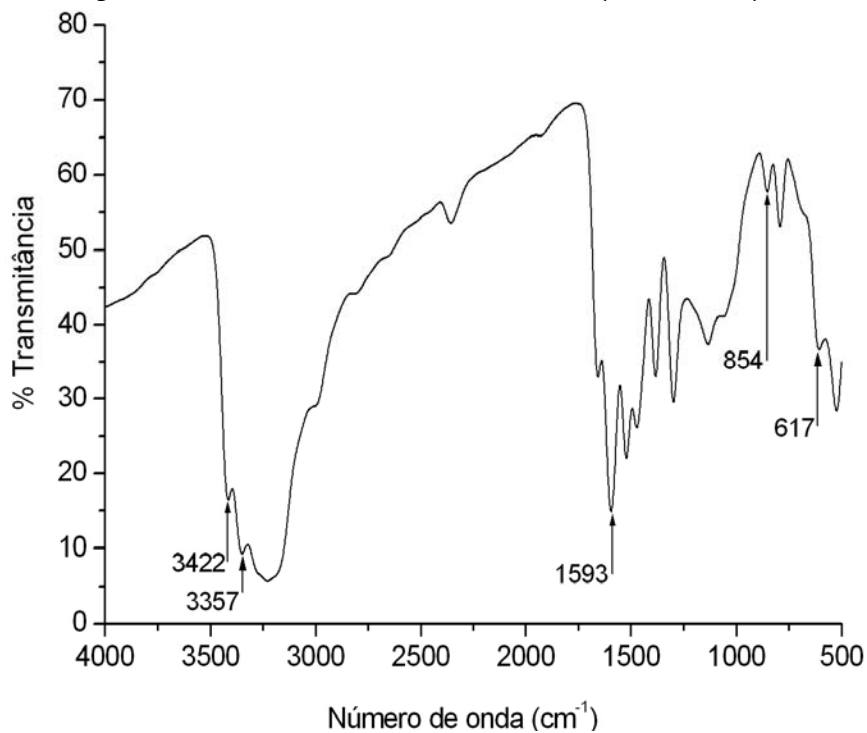
- **Complexos de Fe(III) de 2-piridinoformamida tiossemicarbazonas na razão metal:ligante 1:2**

V(mL)KOH	Fe:H2Am4DH	Fe:H2Am4Me	Fe:H2Am4Et	Fe:H2Am4Ph
0	3,155	3,582	3,671	3,182
0,1	3,195	3,734	3,859	3,214
0,2	3,248	3,883	4,059	3,222
0,3	3,311	4,024	4,271	3,246
0,4	3,384	4,158	4,494	3,27
0,5	3,47	4,304	4,738	3,287
0,6	3,582	4,509	5,034	3,313
0,7	3,722	4,832	5,419	3,33
0,8	3,927	5,313	5,909	3,358
0,9	4,304	5,935	6,475	3,377
1	5,723	6,626	7,051	3,396
1,1	9,387	7,278	7,558	3,427
1,2	10,06	7,805	7,95	3,449
1,3	10,303	8,175	8,228	3,472
1,4	10,466	8,418	8,437	3,509
1,5	10,586	8,594	8,626	3,536
1,6	10,682	8,752	8,821	3,565
1,7	10,761	8,914	9,015	3,614
1,8	10,829	9,073	9,187	3,651
1,9	10,888	9,221	9,326	3,714
2	10,939	9,361	9,439	3,764
2,1	10,985	9,505	9,543	3,856
2,2	11,027	9,663	9,652	3,933
2,3	11,065	9,827	9,761	4,093
2,4	11,101	9,982	9,863	4,25
2,5	11,134	10,115	9,956	4,684
2,6	11,165	10,228	10,054	5,456
2,7	11,193	10,34	10,175	5,775
2,8	11,22	10,468	10,331	6,084
2,9	11,244	10,619	10,517	6,245
3	11,268	10,782	10,713	6,529

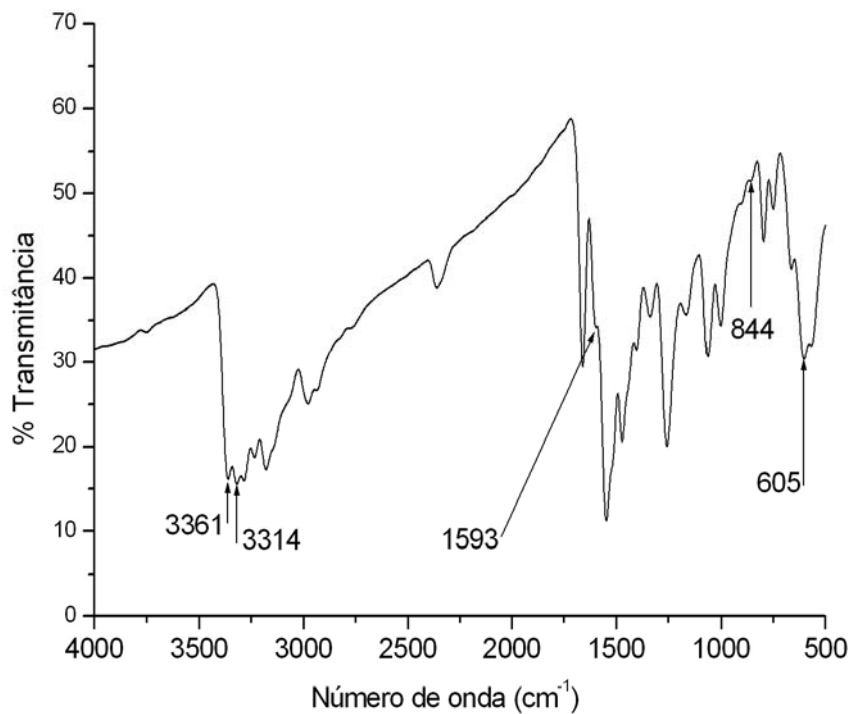
ANEXO II

**Espectros de IV de 2-piridinoformamida tiossemicarbazonas e seus
complexos de Fe(III)**

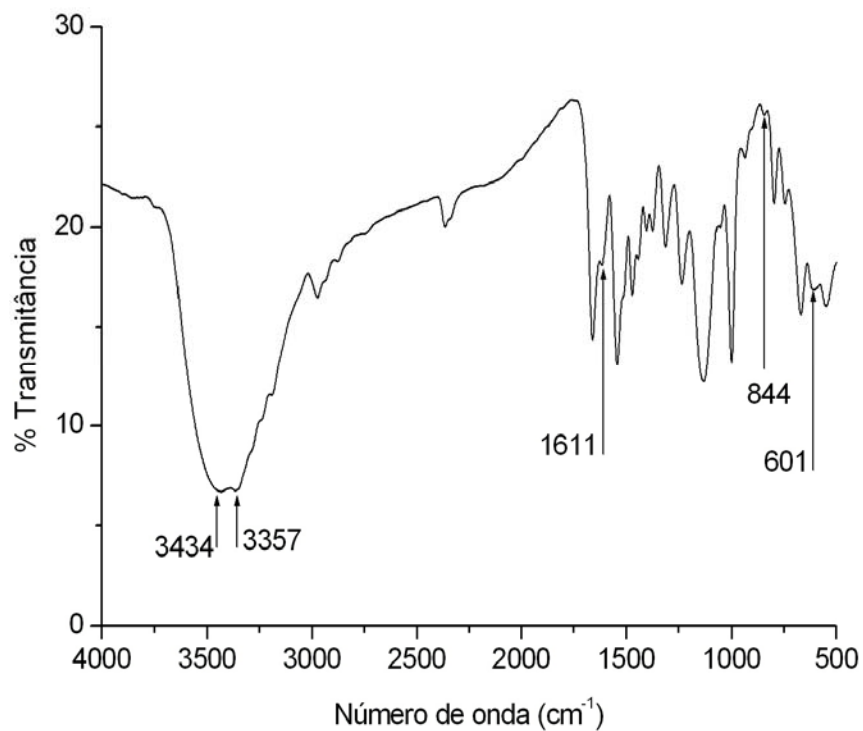
- 2-piridinoformamida tiossemicarbazona (H2Am4DH)



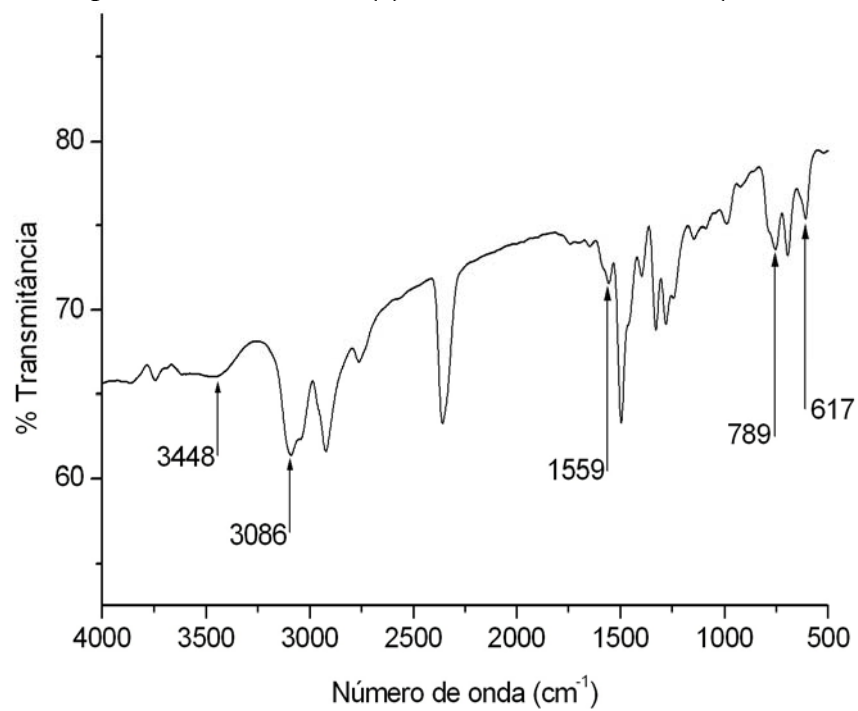
- 2-piridinoformamida N(4)-metiltiossemicarbazona (H2Am4Me)



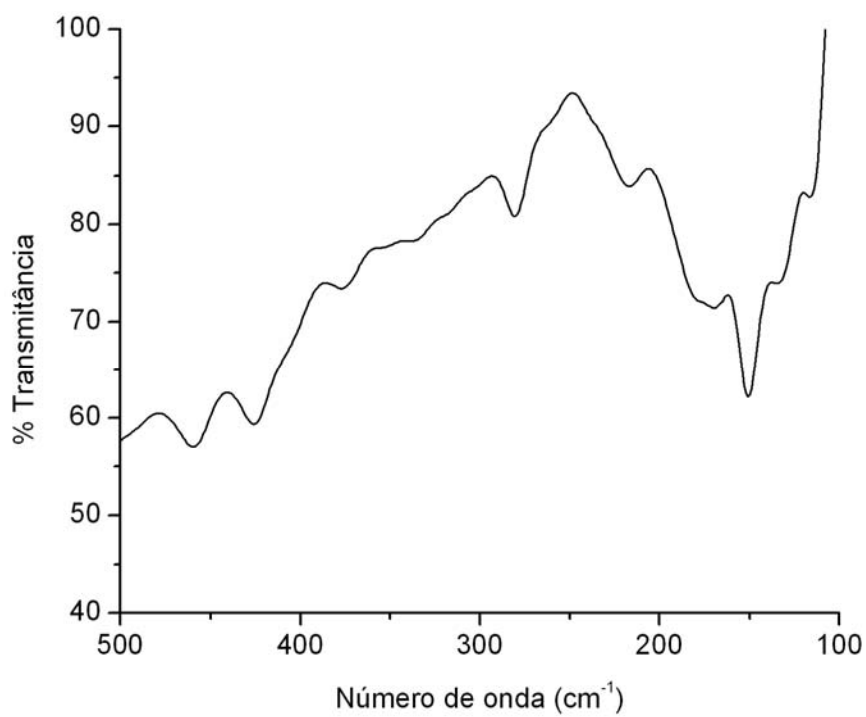
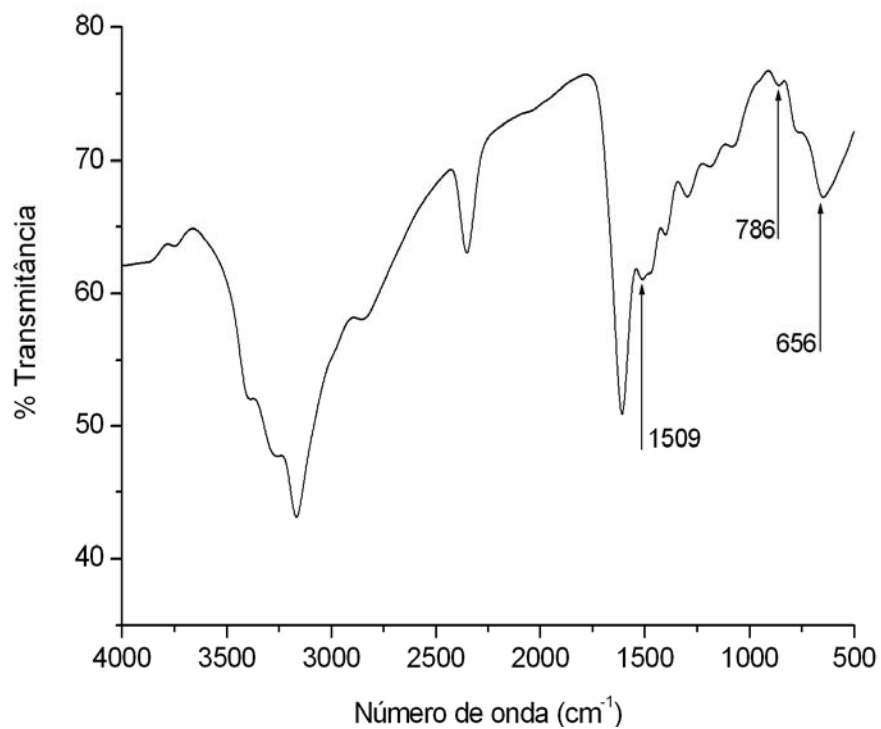
- 2-piridinoformamida N(4)-etiltiossemicarbazona (H2Am4Et)



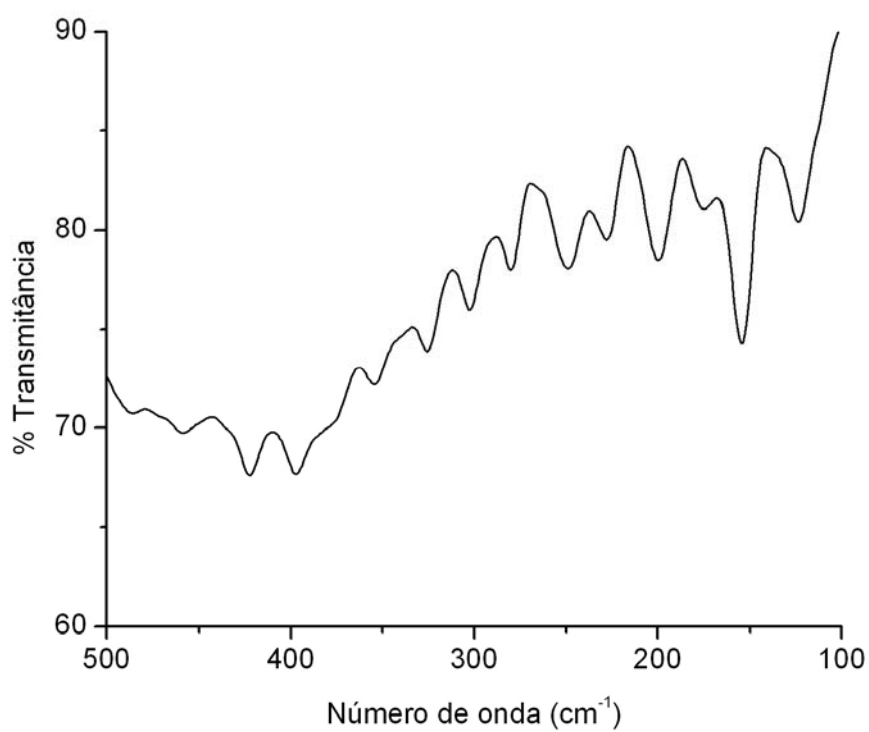
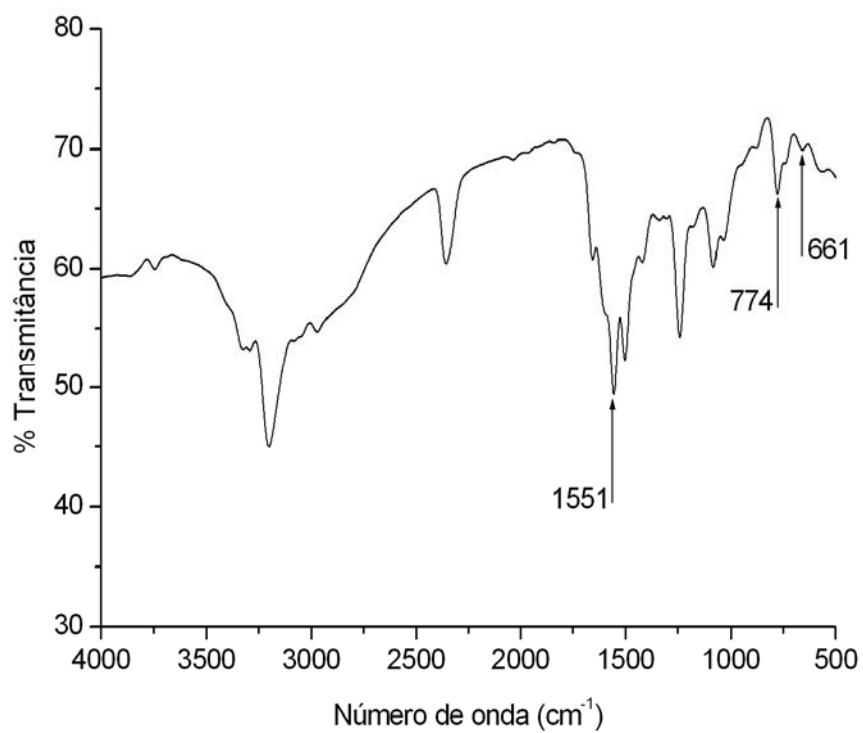
- 2-piridinoformamida N(4)-feniltiossemicarbazona (H2Am4Ph)



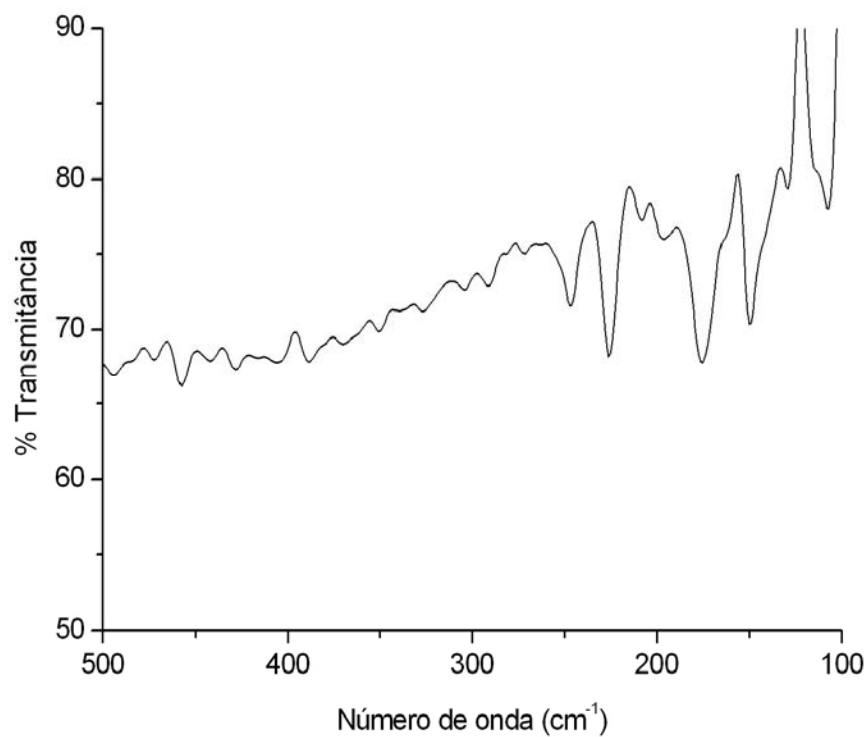
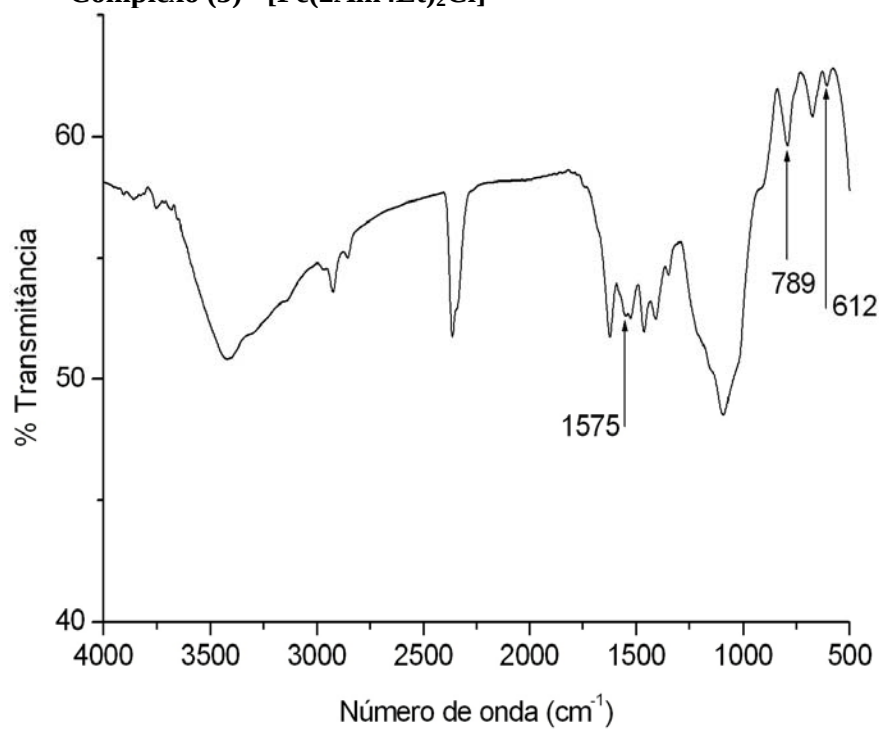
- **Complexo (1) - $[\text{Fe}(\text{2Am4DH})_2\text{Cl}]$**



- **Complexo (2) - [Fe(2Am4Me)₂Cl]**



- **Complexo (3) - [Fe(2Am4Et)₂Cl]**



- **Complexo (4) - [Fe(H₂Am₄Ph)Cl₃]**

