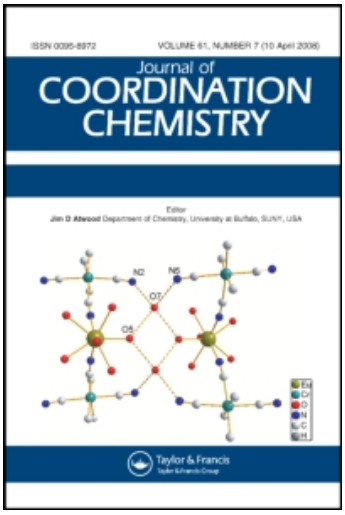

Journal of Coordination Chemistry
Publication details, including instructions for authors and subscription information:
http://www.informaworld.com/smpp/title~content=t713455674

Corrigendum

First published on: 29 July 2010

To cite this Article (2009) 'Corrigendum', Journal of Coordination Chemistry, 62: 8, 1379 — 1380, First published on: 29 July 2010 (iFirst)
To link to this Article: DOI: 10.1080/00958970902738331
URL: http://dx.doi.org/10.1080/00958970902738331

Journal of Coordination Chemistry
Vol. 62, No. 8, 20 April 2009, 1379–1380

Taylor & Francis
Taylor & Francis Group

CORRIGENDUM

The authors would like to correct the following mistakes in their paper, published in *Journal of Coordination Chemistry*, **62**, 1091 (10.1080/00958970802416020):

Section 2.2.2, Anal. Calcd [($C_{18}H_{18}N_2O_4$)Cu(II)]% values should be C, 55.45; H, 4.65; N, 7.18; Cu, 16.29 instead of C, 55.50; H, 4.66; N, 7.78; Cu, 17.73.

Section 2.2.2, Found [($C_{18}H_{18}N_2O_4$)Cu(II)]% values should be C, 55.48; H, 4.62; N, 7.30; Cu, 16.40 instead of C, 55.48; H, 4.65; N, 7.80; Cu, 17.72.

Table 1, the elemental analyses of compounds PSB–Co(II), PSB–Ni(II), PSB–Cu(II) and PSB–Zn(II) should be corrected as in the replacement table below.

Table 1. Elemental analysis of chelated polyesters.

		Elemental analysis			
Abbreviations	Yield in (%)	Carbon	Hydrogen	Nitrogen	Metal
PSB–Mn(II)	75	58.66 (58.65)	4.92 (4.90)	5.70 (5.72)	11.18 (11.20)
PSB–Co(II)	75	58.18 (58.36)	4.88 (4.84)	5.65 (5.47)	11.89 (11.51)
PSB–Ni(II)	74	58.21 (58.37)	4.88 (4.75)	5.65 (5.70)	11.85 (11.51)
PSB–Cu(II)	73	57.65 (57.59)	4.83 (4.86)	5.60 (5.52)	12.70 (12.33)
PSB–Zn(II)	75	57.44 (57.65)	4.82 (4.70)	5.58 (5.43)	13.02 (12.60)

Note: Calculated, (found) values.

Table 2, CH (sym-asym) peak for compound PSB-Zn(II) should be 2930–2860(m) instead of 2932–2860.

Table 2, νC–N peak for compound PSB–Mn(II) should be 1040(m) instead of 1540(m).

Table 2, the first column should be νAr–CH, not νN–H, as shown below.

Table 2. The IR spectral bands and their assignments of chelated polyesters.

	Assignments							
Compounds	ν(Ar–CH)	–CH (sym–asym)	ν(C=O)	ν(C=N)	ν(C=C)	ν(C–N)	ν(M–N)	ν(M–O)
PSB–Mn(II)	3050(m)	2930–2860(m)	1710(s)	1600(s)	1560(m)	1040(m)	625(s)	520(s)
PSB–Co(II)	3055(m)	2930–2865(m)	1710s)	1630(s)	1550(m)	1050(s)	640(m)	525(s)
PSB–Ni(II)	3055(m)	2930–2860(m)	1710(s)	1605(s)	1545(m)	1055(s)	630(s)	520(s)
PSB–Cu(II)	3052(b)	2930–2865(m)	1710(s)	1630(s)	1565(s)	1050(m)	645(s)	520(m)
PSB–Zn(II)	3055(m)	2930–2860(m)	1710(s)	1600(s)	1565(m)	1060(m)	635(m)	530(s)

Note: s, strong; b, broad; m, medium; w, week; sym, symmetric; asym, asymmetric.

Journal of Coordination Chemistry
ISSN 0095-8972 print/ISSN 1029-0389 online © 2009 Taylor & Francis
DOI: 10.1080/00958970902738331

Table 3, the electronic spectrum assignment for PSB–Co(II) with electronic transition (cm^{-1}) of 9035 should be $^4T_2(F) \leftarrow {}^4A_2$ instead of $^4T_2(F) \leftarrow {}^3A_2$.

Table 3, the electronic spectrum assignment for PSB–Co(II) with electronic transition (cm^{-1}) of 16,120 should be $^4T_1(P) \leftarrow {}^4A_2$ instead of $^4T_1(P) \leftarrow {}^3A_2$.

Table 3, B.M. (note a) refers to Bohr Magneton not Bohr megneton, as shown below.

Section 3.3.3, The sentence:

Table 3. Magnetic moments and electronic spectral data of chelated polyesters.

		Electronic spectral data		
Abbreviations	Magnetic moment in B.M.[a]	Electronic transition (cm^{-1})	Assignment	Geometry
		19,980	$^4T_1(G) \leftarrow {}^6A_1$	
PSB–Mn(II)	5.10	21,170	$^4T_2(G) \leftarrow {}^6A_1$	Tetrahedral
		23,408	$^4A_1(G) \leftarrow {}^6A_1$	
PSB–Co(II)	3.46	9035	$^4T_2(F) \leftarrow {}^4A_2$	Tetrahedral
		16,120	$^4T_1(P) \leftarrow {}^4A_2$	
PSB–Ni(II)	Diamagnetic	16,984	$^1A_{2g} \leftarrow {}^1A_{1g}$	Square planar
		23,065	$^1B_{1g} \leftarrow {}^1A_{1g}$	
PSB–Cu(II)	1.82	17,675	$^2A_{1g} \leftarrow {}^2B_{1g}$	Square planar
		25,236	Charge-transfer	
PSB–Zn(II)	Diamagnetic			Tetrahedral

Note: [a]Bohr magneton.

The electronic spectra of the PSB-Co(II) complex showed bands at 16,120 and 9035 cm^{-1}, assigned to $^4T_1(P) \leftarrow {}^3A_2$ and $^4T_2(F) \leftarrow {}^3A_2$ transitions, respectively, of a tetrahedral cobalt [22].

Should be

The electronic spectra of the PSB-Co(II) complex showed two bands at 16,120 and 9035 cm^{-1} which may be assigned due to $^4T_1(P) \leftarrow {}^4A_2$, and $^4T_2(F) \leftarrow {}^4A_2$ transitions respectively, suggesting a tetrahedral geometry around the cobalt ion [22].