

Table 4S

Thermal behavior of H2BT complexes

Complex (Mol.wt.)	Temp.range (°C)	Decom.prod. (formula wt.)	Wt. loss (%)	
			Found	Calcd.
[Cu(BT)(H₂O)₂].2H₂O	30-119	H ₂ O (18.016)	3.57	3.83
	119-235	2H ₂ O (36.032)	8.04	7.66
	235-587	C ₆ H ₆ O+ C ₇ H ₆ NS (230.301)	48.88	48.73
	587-850	C ₄ N ₃ O (106.064)	22.59	22.55
	> 850	CuO (79.54)	16.92	17.23
[Co(HBT)(H₂O)(OAc)].2H₂O	30-124	2H ₂ O (36.032)	6.26	6.86
	124-257	H ₂ O+ CH ₃ COOH (78.07)	15.37	14.87
	257-447	C ₆ H ₆ O +C ₄ N ₃ O (200.178)	37.48	38.07
	447-800	C ₇ H ₆ NS (136.187)	26.61	25.93
	>800	CoO (74.93)	14.28	14.27