

these complexes is supported by thermogravimetric analysis. Thermogram of the complex, (salicylaldehyde) (2,4-pentanedionato) diaquobarium(II) is shown in figure 1. After the loss of two water molecules the weight of the compound remains constant for a while (B), thereafter, a continuous loss in weight is observed and finally it gets converted to BaO at 660 °C(C).

ACKNOWLEDGEMENTS

Authors are thankful to Prof. K. C. Joshi, for facilities. RPS is thankful to CSIR, New Delhi, for a fellowship.

16 March 1984; Revised 14 June 1984

1. Hughes, M. N., *The Inorganic chemistry of biological processes*, Wiley, New York, 1972.
2. Daune, M. In *Metal ions in biological systems*, Vol. 3, (ed.), H. Sigel, Marcel Dekker, New York, 1974.
3. Phipps, D. A., *Metals and metabolism*, Oxford University Press, 1977.
4. Williams, D. R., *Metals of life*, van Nostrand Reinhold, New York, 1971.
5. Link, R. G., *Inorg. Chem.*, 1967, **6**, 171.
6. Haughton, R. P., *J. Chem. Soc.*, C, 1967, 2030.
7. Morosin, B., *Acta Crystallogr.*, 1967, **22**, 315.
8. Banerjee, A. K., Layton, A. J., Nyholm, R. S. and

- Truter, M. R., *J. Chem. Soc.*, A, 1969, 2536.
9. Kemlo, J. A., Neilson, J. D. and Shepherd, T. M., *J. Inorg. Nucl. Chem.*, 1977, **39**, 1945.
10. Fenton, D. E. and Cook, D. M., *J. Chem. Soc., Chem. Commun.*, 1977, 623.
11. Fenton, D. E. and Cook, D. H., *J. Chem. Soc., Dalton*, 1979, p. 810.
12. Drew, M. G. B., Knox, C. V. and Nelson, S. M., *J. Chem. Soc., Dalton*, 1980, p. 942.
13. Markus, Y. and Elezra, I. E., *Coord. Chem. Rev.*, 1969, **4**, 278.
14. Griesser, R. and Sigel, H., *Inorg. Chem.*, 1970, **9**, 1238.
15. Doraswamy, U. and Bhattacharya, P. K., *J. Inorg. Nucl. Chem.*, 1975, **37**, 1665.
16. Hellerman, L. and Stock, C. C., *J. Biol. Chem.*, 1938, **125**, 771.
17. Dixon, M. and Webb, E. C., *Enzymes*, Green and Co., London, 1964.
18. Beck, M. T., *Chemistry of complex equilibria*, van Nostrand Reinhold, London, 1970, p. 207.
19. Brewer, F. M. and Sidgwick, N. V., *J. Chem. Soc.*, 1925, p. 2379.
20. Banerjee, A. K., Layton, A. J., Nyholm, R. S. and Truter, M. R., *J. Chem. Soc.*, A, 1970, p. 292.
21. Fenton, D. E., *J. Chem. Soc.*, A, 1971, p. 3481.
22. Fenton, D. E. and Newman, R., *J. Chem. Soc., Dalton*, 1974, p. 655.
23. Sharma, R. P., Jindal, Mithlesh and Prasad, R. N., *Synth. React. Inorg. Metal-Org. Chem.*, 1984, **14**, 501.

ANNOUNCEMENT

XII ANNUAL SYMPOSIUM OF THE INDIAN BIOPHYSICAL SOCIETY

The Indian Biophysical Society (IBS) will be holding its XII IBS Symposium at Mysore University, Mysore on Sunday December 23 and Monday December 24, 1984. This Symposium will immediately follow the International Symposium on Biomolecular Structure that would be held the previous week at Bangalore. The dates are so arranged as to benefit from the participants of the International Symposium in Bangalore and to aid the delegates to plan their visit such that they can attend both the meetings and thus optimise the time and effort.

The broad theme of the XII IBS Symposium will be "Structure, Assembly and Function of Biomolecules". The format of the Symposium will be invited lectures, poster presentations and poster discussion sessions, in much the same way as in the previous year. We invite contributions and participation from all interested scientists in this Symposium.

Kindly contact the Convener of the XII IBS Symposium, Dr C J M D'Souza, Department of Biochemistry, Mysore University, Manasagangotri, Mysore 570 006, for further information and circulars.