



Dr. Susanta Lahiri

*Nuclear and Analytical
Chemistry Laboratory
The University of Burdwan
Burdwan 713 104*

Certified that the work described in the thesis entitled "Studies on Production and Separation of Carrier Free Rare Earths by Nuclear Activation Techniques" has been carried out entirely by Ms. Dalia Nayak, M. Sc., herself under my direct guidance and supervision and that she has fulfilled all the conditions necessary for the Ph. D. degree examination of The University of Burdwan. This work has never been submitted in full or part, for the award of any degree by the candidate or by any other person.

Certified further that Ms. Dalia Nayak has delivered two seminar lectures in the Department of Chemistry of The University of Burdwan, the first one on March 06, 1999 on "Radioactive Ion Beam: Challenge of 21st Century" and the second one on April 06, 1999 defending her dissertation. Both the lectures were highly appreciated by the audience.

Date: 28/05/99

Burdwan

Susanta Lahiri
(Susanta Lahiri)

Supervisor