

CERTIFICATE

I hereby certify that the entire work in the dissertation entitled, " Spectrophotometric determination of thiosemicarbazone complexes " has been carried out by Shri N.E.Barhate under my supervision and guidance in the Department of Chemistry, Shivaji University, Kolhapur and that any part of it has not been submitted for any degree, diploma, or membership of any University or institute previously.

Kolhapur

June ,1986

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