

## CERTIFICATE

This is to certify that the thesis entitled " Metal Chelates of Plumbagin and 3-Chloroplumbagin " which is being submitted by Shri. S. B. Chougule for the degree of Master of Philosophy in Chemistry to the Shivaji University, Kolhapur (India) is a record of his own work under my supervision and guidance. The work has not been submitted for any other degree or diploma to any other University.



(DR. P. L. KULKARNI)

Guide