

DEPARTMENT OF BIO-CHEMISTRY FACULTY OF SCIENCE M S UNIVERSITY OF BARODA VADODARA-390 002

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CERTIFICATE

This is to certify that the work presented in the form of a thesis in fulfillment of the requirement for the award of the Ph.D. degree of The M.S. University of Baroda by **Vikas Sharma** is his original work. The matter presented in this thesis incorporates the findings of independent research work carried out by the researcher himself. The entire research work and the thesis have been built up under my supervision. The matter contained in this thesis has not been submitted elsewhere for the award of any other degree.

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