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## CERTIFICATE

This is to certify that the thesis entitled "*Development of Propranolol Hydrochloride Transdermal Patches using Hydrophilic and Hydrophobic Polymers and Their Evaluation*" Submitted by **Mr. Biplab Kumar Dey**, Lecturer, Himalayan Pharmacy Institute, Majhitar, Rangpo, E.Sikkim – 737 136 for the award of the Degree of Doctor of Philosophy (Pharmacy ) of University of North Bengal, is absolutely based upon his own research work under the supervision of **Dr. Lila Kanta Nath**, Professor in Pharmacy, Department of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh – 786 004, Assam, and that neither his thesis nor any part of his thesis has been submitted for any degree or any other academic award anywhere before.

( Dr. L. K. Nath )  
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