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CERTIFICATE OF THE SUPERVISOR

This is to certify that the thesis entitled "**Hydrogen Bonds in Molecular Crystals to Alter Properties and Controlling Drug Polymorph Nucleation**" submitted to the School of Sciences, Tezpur University, India in part fulfilment for the award of the degree of **Doctor of Philosophy in Chemical Sciences** is a record of research work carried out by **Basanta Saikia** under my supervision and guidance.

All helps received by him from various sources have been duly acknowledged.

No part of this thesis has been submitted elsewhere for award of any other degree.

Place: Tezpur

(Dr. Bipul Sarma)

Date:

Department of Chemical Sciences



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Napaam – 784 028, Tezpur, District– Sonitpur, Assam, India

CERTIFICATE OF THE EXTERNAL EXAMINER AND ODEC

This is to certify that the thesis entitled “**Hydrogen Bonds in Molecular Crystals to Alter Properties and Controlling Drug Polymorph Nucleation**” submitted by **Basanta Saikia** to Tezpur University in the Department of **Chemical Sciences** under the **School of Sciences** in partial fulfilment for the award of the degree of Doctor of Philosophy in **Chemical Sciences** has been examined by us and found to be satisfactory.

The committee recommends for the award of the Degree of Doctor of Philosophy.

Signature of:

(Dr. Bipul Sarma)

Thesis Supervisor

Date:

External Examiner

Date: