

CERTIFICATE

This is to certify that the thesis entitled “**Synthesis and characterization of piperazine containing atypical antipsychotic drug substances and their related compounds**” that is being submitted by Mr. **Thatipalli Poorna chander** in partial fulfillment for the award of **Ph.D** in **Chemistry** to the Jawaharlal Nehru Technological University is a record of bonafide work carried out by him under our guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

Signature of Supervisor

Dr. Ramesh Kumar,
Senior Director,
Dr. Reddy's Laboratories Ltd.,
IPDO, Bachupally,
Hyderabad- 500072.

CERTIFICATE

This is to certify that the thesis entitled “**Synthesis and characterization of piperazine containing atypical antipsychotic drug substances and their related compounds**” that is being submitted by Mr. **Thatipalli Poorna chander** in partial fulfillment for the award of **Ph. D in Chemistry** to the Jawaharlal Nehru Technological University is a record of bonafide work carried out by him under our guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

Signature of Co-Supervisor

Prof. Y. Anjaneyulu,
Retired Professor,
Jawaharlal Nehru Technological
University,
Hyderabad – 500085.