

**Method development and validation for the estimation  
Of Zoledronic Acid drug substance by high  
performance liquid chromatography**

*SUBMITTED By*

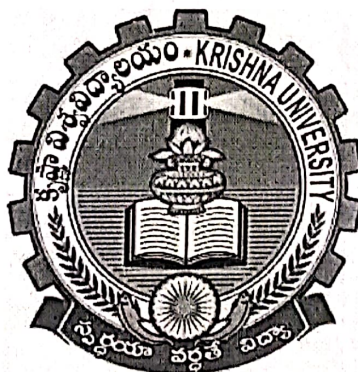
**M.HEMA DEEPTHI**

**(Y18OCH102020)**

*Under the Supervision of*

**Dr.V.Sreeram, M.Sc, M.Phil, Ph.D.**

**DEPARTMENT OF CHEMISTRY (P.G)  
A.G & S.G. Siddhartha Degree College, Vuyyuru**



**THE DISSERTATION SUBMITTED TO  
KRISHNA UNIVERSITY, MACHILIPATNAM  
IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR  
THE DEGREE OF MASTER OF SCIENCE**

**April- 2020**



**Adusumilli Gopalakrishnaiah & Sugarcane Growers Siddhartha**  
Degree College of Arts & Science, Vuyyuru-521165, Krishna Dt., A.P.  
**AUTONOMOUS COLLEGE** (Aided College of Govt. of Andhra Pradesh)  
NAAC Grade : A grade, by NAAC, Bangalore  
(Managed by : Siddhartha Academy of General & Technical Education, Vijayawada)  
[Regd. No.45 of 1975]

**N. Venkateswarlu**  
President

Ph.No.: 08676-233267; FAX No.08676-233830  
www.agsgsc.edu.in  
agsgsidhartha@gmail.com

**P. Lakshmana Rao**  
Secretary & Correspondent  
**S. Venkateswara Rao**  
Treasurer

## **CERTIFICATE**

This is to certify that the work incorporated in this M.Sc dissertation entitled  
“Method development and validation for the estimation of Zoledronic  
Acid drug substance by high Performance liquid chromatography” is  
a bonafied project work, carried out by of **M.HEMA DEEPTHI (Y180CH102020)**,  
M.Sc(Organic Chemistry) Student, registered with “Krishna University” under  
my supervision.

**Dr. V. Sreeram**  
Project Guide,  
Head,

**PG Department of Chemistry**

**Dr. V. SREERAM**  
HEAD.

Assistant Professor

Dept. of Chemistry (P.G)

**A.G & S.G. Siddhartha Degree College**

**VUYYURU-521 165, (Autonomous)**

Email: sreeramvenigalla2008@gmail.com

**EXTERNAL EXAMINER**

## DECLARATION

I hereby declare that the original project work embodied in this dissertation entitled "Method development and validation for the estimation of Zoledronic Acid drug substance by high Performance liquid chromatography" submitted to "Krishna University" for the award of degree of Master of Science (M.Sc) in the Chemistry of the faculty of Organic Chemistry is the outcome of investigations carried out by me under the supervision of Dr.V.Sreeram, Head, PG Department of Chemistry. I declare that the work incorporated is original and due acknowledgment has been made where ever it is not so. The same has not been submitted elsewhere for any degree or diploma.

I also declare that I myself solely responsible for the genuineness of the findings/observations pertaining to these study in order to complete this dissertation.

Place: Vuyyuru

Date:

  
M.HEMA DEEPTHI

(Y18OCH102020)