

# **Method development and validation for the estimation of Chlorthalidone drug substance by high performance liquid chromatography**

*SUBMITTED By*

**GURIVINDHAPALLI NAGA VEERAMMA**

**(Y19OCH102009)**

*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**

**AUGUST- 2021**



**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  
agsgsiddhartha@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  
chlorthalidone drug substance by high Perfromanance liquid  
chromatography**” is a bonafied project work, carried out by of  
**GURIVINDHAPALLI VEERAMMA** (Y19OCH102009), M.Sc(Organic  
Chemistry) Student, registered with “**Krishna University**” under my supervision.

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

Head,

**PG Department of Chemistry**  
Head, P.G. Department of Chemistry  
A.G. & S.G. Siddhartha College of Arts & Science  
VUYYURU-521 165 Krishna Dt. A.P.

**EXTERNAL EXAMINER**

## DECLARATION

I hereby declare that the original project work embodied in this dissertation entitled “**Method development and validation for the estimation of Chlorthalidone 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.

*G. Naga veeramma*

**GURIVINDHAPALLI NAGA VEERAMMA**

Place: Vuyyuru

Date: 7/9/21

**(Y19OCH102001)**