Job Code:……. 101575
Position # (PSA) …… (E)
Developed by: CCM; JL
Reviewed by ……..DLJ
Approved by……..LK
Date: ……. 06/28/22

UNIVERSITY OF RHODE ISLAND
POSITION DESCRIPTION

TITLE:	Senior Analytical Scientist, Pharmaceutical Development Institute (PDI)
UNION:	PSA
DIVISION:	Academic Affairs (College of Pharmacy: PDI)
REPORTS TO:	Associate Director**,** Analytical Development/Quality Control Laboratory
GRADE:	14
SUPERVISES:	Analytical Scientists, Lab Assistants, support staff, graduate and undergraduate students

BASIC FUNCTION:

Perform a variety of analyses (chromatography, spectroscopy, and wet chemistry techniques) in support of development, release, and stability testing of small molecule drug products such as identification, assay, purity, dissolution, and water content. Ensure all work is performed in compliance with standard operating procedures, good laboratory practices and good manufacturing practices. Correctly document laboratory work in a clear, detailed, and organized manner. Compile and analyze testing results using spreadsheet and statistical analysis programs. Draft summary reports of analytical testing results.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Conduct and troubleshoot chromatography and dissolution experiments in support of drug product development.

Perform assay, purity, and dissolution testing in support of release and stability of drug products.

Maintain accurate records of experiments and results in laboratory notebook.

Design, execute, and interpret experiments with a high degree of reliability and independence.

Perform basic statistical analysis of experimental data, where appropriate.

Maintain general lab equipment, including HPLCs and dissolution systems.

Display knowledge of scientific principles and basic understanding of applicable drug development regulations.

Prepare technical reports.

Assist the PDI Training Center when appropriate

OTHER DUTIES AND RESPONSIBILITIES:

Perform other duties as required.

LICENSES, TOOLS AND EQUIPMENT:

Personal computers, printers, word processing, spreadsheet, database management. LC and LC/MS instrumentation. GLP or GMP laboratory environment. Laboratory equipment. Excel.

ENVIRONMENTAL CONDITIONS:

This position will not be substantially exposed to adverse environmental conditions.

QUALIFICATIONS:

REQUIRED: Master's degree in Chemistry, Chemical Engineering, Pharmaceutical Chemistry, Biological Sciences, or related field; Minimum of five years professional experience in analytical laboratories; Demonstrated experience with laboratory techniques (such as liquid chromatography and dissolution testing); Demonstrated experience developing analytical methods for assay and impurity analysis of drug substance and drug product using LC and LC/MS instrumentation; Demonstrated ability to work in a GLP or GMP environment performing release and stability testing of pharmaceuticals with appropriate documentation and safety practices; Demonstrated ability to manage multiple priorities and project timelines in a deadline-driven environment; Demonstrated experience with Microsoft Office (including Excel); Demonstrated ability to work cooperatively in a small laboratory environment; Demonstrated supervisory experience; Demonstrated strong verbal and interpersonal communication skills; Demonstrated proficiency in written communication skills; and, Demonstrated ability to work with diverse groups/populations.

PREFERRED: Demonstrated experience executing Accelerated Stability Studies of pharmaceutical products; Demonstrated experience with Waters Empower3 software and LC Systems; Demonstrated experience with Karl Fisher analysis; and, Demonstrated dissolution experience across multiple systems (manual, semi-automated and automated dissolution systems).

ALL REQUIREMENTS ARE SUBJECT TO POSSIBLE MODIFICATION TO REASONABLY ACCOMMODATE INDIVIDUALS WITH DISABILITIES.