

CLASS TITLE:

CHEMIST

Class Code: 02726200

Pay Grade: 23A

EO: B

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: To conduct standardized chemical and physical tests, analyses and examinations of a wide scope of organic and inorganic materials in a laboratory for the purpose of determining the identity and composition of materials and/or the identity and presence of foreign or toxic substances.

SUPERVISION RECEIVED: Works under the general supervision of a superior; latitude is allowed for the exercise of independent judgement and initiative; work is subject to review for conformance to accepted laboratory methods and procedures.

SUPERVISION EXERCISED: As required, may supervise the work of laboratory technicians assigned to assist.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

To make quantitative and qualitative chemical analyses of air or drinking and bathing water, sewage, industrial wastes and/or other waters involved in pollution control studies, etc.

To perform chemical tests and analyses of meat and food products to determine condition, purity and quality, and conformity to state and federal regulations.

To perform chemical and microscopic examinations and analyses in a medical or public health laboratory of blood and urine samples.

To perform chemical and physical tests and analyses of bituminous, petroleum and other materials used in highway construction for the purpose of determining specific gravities, viscosity's, penetration, ductility, flash, fire and pour points.

To do chemical laboratory work in the field of industrial hygiene for the purpose of determining the presence and concentration of toxic substances in air samples and in commercial materials used in, or resulting from, various manufacturing processes.

To keep records of tests and analyses and to make reports as required.

To do related work as required.

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGES, SKILLS AND CAPACITIES: A thorough knowledge of the principles, practices and techniques of chemistry and biochemistry; a thorough knowledge of laboratory methods and procedures; skill in the performance of chemical tests and analyses; the ability to supervise sub-professional laboratory assistants; the ability to analyze data and present conclusions in acceptable reports; and related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have been gained through: graduation from a college of recognized standing with a Bachelor's Degree in Chemistry or Biochemistry; and

Experience: Such as may have been gained through: employment in a private, public health or medical laboratory involving the making of standardized chemical tests and analyses.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

Class Created: May 28, 1972

Editorial Review: 3/15/03