



Chemist IV

Salary Group: B22

Class Code: 2475

<u>CLASS TITLE</u>	<u>CLASS CODE</u>	<u>SALARY GROUP</u>	<u>SALARY RANGE</u>
CHEMIST I	2472	B16	\$34,918 - \$55,130
CHEMIST II	2473	B18	\$39,521 - \$64,449
CHEMIST III	2474	B20	\$45,158 - \$73,788
CHEMIST IV	2475	B22	\$51,614 - \$84,479
CHEMIST V	2476	B24	\$59,004 - \$96,720

GENERAL DESCRIPTION

Performs advanced (senior-level) chemical analysis work. Work involves overseeing and reviewing the chemical analysis and physical testing of materials, chemicals, physiological specimens, and other products; conducting research; and preparing technical reports. May supervise the work of others. Works under minimal supervision, with considerable latitude for the use of initiative and independent judgment.

EXAMPLES OF WORK PERFORMED

Oversees and reviews the chemical and physical analysis of food, drugs, human clinical specimens, construction materials, wastewater, stream pollution, hazardous waste, alcohol, or other materials.

Oversees, evaluates, and conducts research projects; interprets research data and documents findings; and prepares technical reports and scientific papers.

Coordinates special research projects.

Consults with staff on proper research, analysis, and interpretive procedures; and determines the appropriate analytical methods for examinations.

Plans and conducts audits of environmental laboratories to ensure compliance with applicable environmental or public health laws, rules, regulations, and policies; reviews and evaluates corrective action plans; and makes appropriate recommendations.

Determines the appropriate specifications for the use of laboratory chemicals, reagents, equipment, and supplies.

Determines staff and equipment requirements for laboratory operations.

Ensures the maintenance and quality of chemical or physical data.

Develops and implements laboratory procedures, safety guidelines, or guidelines for laboratory assessments and/or accreditation.

Interprets laboratory and analytical results for use in regulatory determination decisions.

May interpret analytical findings in cases in which results are used in court.

May consult with physicians, public health staff, and field inspectors concerning proper procedures for the collection and submission of samples for chemical tests.

May supervise the work of others.

Performs related work as assigned.

GENERAL QUALIFICATION GUIDELINES

EXPERIENCE AND EDUCATION

Experience in chemical analyses and laboratory work. Graduation from an accredited four-year college or university with major coursework in chemistry or a related field is generally preferred. Experience and education may be substituted for one another.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of the principles of chemical processes and analyses; of the preparation, properties, structures, and use of chemical and physical substances; and of the laws and standards related to the technical areas of responsibility.

Skill in the operation of laboratory equipment and in the use of a computer and applicable software.

Ability to conduct physical and chemical analyses and tests, to interpret test results, to prepare reports, to communicate effectively, and to supervise the work of others.