NEW AUG 0 2 1987

OHIO CLASSIFICATION SPECIFICATION *Developed for Equal Opportunity*	CLASS TITLE: Chemist 1	CODE: 83221C
	MAJOR AGENCIES: County Offices, Universities	JURISDICTION: County, Univ.

FUNCTION: Under direct supervision from chemical laboratory supervisor 1, performs basic chemical analysis on various samples;

-PERFORMS RELATED DUTIES AS REQUIRE

RANK	% OF TIME	JOB DUTIES	MAJOR WORKER CHARACTERISTICS
1	68-78	Performs basic chemical analysis on various samples (e.g., chlorinated compounds; radiochemistry analysis on potable & non-potable water; hypothyroidism, sickle cell &/or abnormal hemoglobin in blood; chemical analysis of water using atomic absorption spectropholometer &/or autoanalyzer; assay for volatile organics, drugs & tonic substances; determination of antibiotics in animal feedstuffs; fertilizer for nitrogen & feeds for non-protein nitrogen & protein; fertilizes for phosphorus & potassium, salt in feed, phosphorus in meat products & sodium in water; food products for pesticides or herbicides; lead, copper, calcium, magnesium, manganese, iron, zinc, salt nitrate, moisture &/or trinitrophosphate in feed, fertilizers, liming materials, animal tissues, blood serum, foods &/or other agricultural products).	Knowledge of (1) laboratory safety practices, (2) chemical analysis, (3) chemistry, (4) laboratory practices & procedures; skill in (5) operating chemical laboratory equipment; ability to (6) define problems, collect data, establish facts & draw valid conclusions, (7) calculate fractions, decimals & percentage (8) use proper research methods in gathering data, (9) gather, collate & classify information about data, people or things, (10) cooperate with co-workers or group projects, (11) demonstrate physical fitness.
2	15-25	Prepares reports of laboratory analysis; testifies before local courts concerning analysis of evidence; reads journals & attends meetings to up-date on new chemical procedures.	Knowledge of 2, 3; ability to 6, 7, 9, (12) prepare meaningful, concise & accurate reports.
3	4-10	Cleans & maintains laboratory equipment & work area; disposes of samples.	Knowledge of 1, 4; ability to 10, 11, (13) understand & follow written or oral instructions.

(1101)

123:1-7-17

*Developed after employment

UNUSUAL WORKING CONDITIONS:	MINIMUM CLASS REQUIREMENTS: *(including license, if any.)*	TRAINING & DEVELOPMENT:
Exposed to caustic or toxic chemicals; may work varying hours.	Completion of undergraduate major program core coursework in chemistry as required by college or university (or 2 yrs. chemistry exp.); or equivalent.	