



Australian Government

Assessment Requirements for NWPGEN009 Perform laboratory testing

Release: 1

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Modification History

Release	Comments
1	These Assessment Requirements were released in NWP Water Training Package release 1.0 and meet the Standards for Training Packages.

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. To be deemed competent the candidate must be assessed in a minimum of one type of sample preparation and minimum of three of the types of complex tests from either the wastewater or drinking water options listed in the Range of Conditions. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- comparing sample description with the specification, record results and report discrepancies
- adopting hygienic work practices
- limiting hazards and contamination to self, work area and environment
- producing laboratory reports and logs
- using laboratory safety equipment and personal protective equipment
- interpreting laboratory test methods
- interpreting policies, procedures and standards
- interpreting and recording test results, including calculation of results from test data where required
- using potentiometric, ion selective, spectrophotometric, volumetric and gravimetric laboratory equipment
- performing sub-sample and testing products
- labelling samples for testing
- registering and preserving samples
- selecting the correct equipment and checking equipment performance
- maintaining a safe work environment

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

Operational knowledge of:

- purpose of tests
- principles of the standard method
- calibration and/or pre-use equipment checks and their basis
- relevant standards and specifications and their interpretation
- source of uncertainty in measurements and methods for control
- importance and appropriate use of certified reference materials
- procedures for recognition of unexpected or unusual results and likely causes
- WHS for sample and testing
- safety data sheets

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

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