# Project Assessment

**Assessment event 2 of 3**

## Criteria

### Unit code, name and release number

MSL973013 - Perform basic tests (1)

### Qualification/Course code, name and release number

MSL30118 - Certificate III in Laboratory Skills (1)

MSL40118 - Certificate IV in Laboratory Techniques (2)

\*\*Amend the qualification box before distributing to the student. The information here should only contain the qualification the student is enrolled in\*\*

## Student details

### Student number

### Student name

## Assessment Declaration

* This assessment is my original work and no part of it has been copied from any other source except where due acknowledgement is made.
* No part of this assessment has been written for me by any other person except where such collaboration has been authorised by the assessor concerned.
* I understand that plagiarism is the presentation of the work, idea or creation of another person as though it is my own. Plagiarism occurs when the origin of the material used is not appropriately cited. No part of this assessment is plagiarised.

### Student signature and Date

Version: 1.0

Date created: 15/10/2019

Date modified: 16/12/2019

For queries, please contact:

Innovative Manufacturing, Robotics and Science Skills Point

Hamilton Campus

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RTO Provider Number 90003 | CRICOS Provider Code: 00591E

This assessment can be found in the: [Learning Bank](https://share.tafensw.edu.au/share/access/searching.do?doc=%3Cxml%2F%3E&in=P7ac4831b-430a-4b8d-8b56-f7b32ed5b9cf&q=&type=standard&sort=rank&dr=AFTER)

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## Assessment instructions

Table 1 Assessment instructions

| Assessment details | Instructions |
| --- | --- |
| **Assessment overview** | The objective of this assessment is to assess your knowledge and performance as would be required to:   * Investigate three basic tests or measurements * Identify equipment requirements * Identify typical and atypical results * Determine associated hazards |
| **Assessment Event number** | 2 of 3 |
| **Instructions for this assessment** | This is a project based assessment and will be assessing you on your knowledge and performance of the unit.  This assessment is in 3 parts:   1. Assignment 2. Assessment Checklist 3. Assessment Feedback   Your assessor/trainer will allocate three tests/measurements for this assessment. All required information for the test/measurement such as SDS, standard methods, safe operating procedures, and laboratory protocols will be available to you in your laboratory in either hard copy or on the LIMS. |
| **Submission instructions** | On completion of this assessment, you are required to upload it or hand it to your assessor for marking. Ensure you have written your name at the bottom of each page of this assessment.  It is important that you keep a copy of all electronic and hardcopy assessments submitted to TAFE and complete the assessment declaration when submitting the assessment. |
| **What do I need to do to achieve a satisfactory result?** | To achieve a satisfactory result for this assessment all questions must be answered correctly. |
| **What do I need to provide?** | Calculator, pens |
| **What the assessor will provide?** | A list of the three tests to be researched  The Assessment task |
| **Due date and time allowed** | This assessment is to be submitted to your Assessor 3 weeks prior to commencement of the skills task. |
| **Assessment feedback, review or appeals** | Appeals are addressed in accordance with Every Student’s Guide to Assessment. |

## Specific task instructions

The instructions and the criteria in the tasks and activities below will be used by the assessor to determine if you have satisfactorily completed this assessment. Use these instructions as a guide to ensure you demonstrate the required knowledge.

Your Assessor will inform you of the three tests/measurements allocated. You are to provide guided responses for each test/measurement after your research.

You should complete a Test/Measurement Report for each allocated test.

## Part 1: Assignment

To complete this part of the assessment, you will be required to provide responses to each of the criteria identified in the document below. Your responses should relate to routine laboratory tasks you undertake.

Once completed you will need to submit this assessment to your assessor for marking.

**Brief:**

The unit covers the ability to interpret test requirements, prepare samples for testing, checking equipment prior to use, doing the test and maintaining a safe laboratory environment.

The type/function of the laboratory will determine the three tests/measurements that will form your assessment task.

Testing requirements will differ because of the particular laboratory function. You may be testing environmental samples either in the field or the lab, or from a road construction site or a pathology laboratory or a chemical process laboratory.

You should complete the table below indicating your allocated tests/measurements.

Provide all the information required for each of the three allocated test/measurements in the test/measurement report templates provided. You are not required to reproduce the method here, just interpret the laboratory procedure and record the information. Your response to any section should be no more than 100 words.

You will be assessed in the Skills Assessment Task in the practical application of the tests/measurements.

Table 2 Tests allocated

|  |  |  |
| --- | --- | --- |
| Test | Test/Measurement | Sample preparation |
| 1. |  |  |
| 2. |  |  |
| 3. |  |  |

Table 3 Test 1

| 1 | Test/Measurement Report | |
| --- | --- | --- |
|  | Test/measurement name |  |
|  | Standard method number/name |  |
|  | PPE required for test/measurement |  |
|  | Hazards and control measures for the test/measurement |  |
|  | Type of samples analysed |  |
|  | What is required to ensure traceability of the sample? |  |
|  | Sample preparation required for the identified test/measurement |  |
|  | Equipment/reagents required for test/measurement, including calibration of instruments/equipment and standard preparation and safety checks required |  |
|  | Principle behind the test/measurement and key components involved in the test equipment, pre-use equipment and safety checks required |  |
|  | Data/observations that should be recorded for the test/measurement |  |
|  | Typical results for the sample |  |
|  | What would be considered an atypical result and how would this be reported |  |
|  | Processes for atypical results |  |
|  | Cleaning and storage requirements for equipment and reagents |  |
|  | Typical wastes generated |  |
|  | Disposal of wastes |  |
|  | SI unit reported |  |
|  | Typical WHS issues and actions from sample preparation through reporting of results |  |

Table 4 Test 2

| 2. | Test/Measurement Report | |
| --- | --- | --- |
|  | Test/measurement name |  |
|  | Standard method number/name |  |
|  | PPE required for test/measurement |  |
|  | Hazards and control measures for the test/measurement |  |
|  | Type of samples analysed |  |
|  | What is required to ensure traceability of the sample? |  |
|  | Sample preparation required for the identified test/measurement |  |
|  | Equipment/reagents required for test/measurement, including calibration of instruments/equipment and standard preparation and safety checks required |  |
|  | Principle behind the test/measurement and key components involved in the test equipment, pre-use equipment and safety checks required |  |
|  | Data/observations that should be recorded for the test/measurement |  |
|  | Typical results for the sample |  |
|  | What would be considered an atypical result and how would this be reported |  |
|  | Processes for atypical results |  |
|  | Cleaning and storage requirements for equipment and reagents |  |
|  | Typical wastes generated |  |
|  | Disposal of wastes |  |
|  | SI unit reported |  |
|  | Typical WHS issues and actions from sample preparation through reporting of results |  |

Table 5 Test 3

| 3 | Test/Measurement Report | |
| --- | --- | --- |
|  | Test/measurement name |  |
|  | Standard method number/name |  |
|  | PPE required for test/measurement |  |
|  | Hazards and control measures for the test/measurement |  |
|  | Type of samples analysed |  |
|  | What is required to ensure traceability of the sample? |  |
|  | Sample preparation required for the identified test/ measurement |  |
|  | Equipment/reagents required for test/measurement, including calibration of instruments/equipment and standard preparation and safety checks required |  |
|  | Principle behind the test/measurement and key components involved in the test equipment, pre-use equipment and safety checks required |  |
|  | Data/observations that should be recorded for the test/measurement |  |
|  | Typical results for the sample |  |
|  | What would be considered an atypical result and how would this be reported |  |
|  | Processes for atypical results |  |
|  | Cleaning and storage requirements for equipment and reagents |  |
|  | Typical wastes generated |  |
|  | Disposal of wastes |  |
|  | SI unit reported |  |
|  | Typical WHS issues and actions from sample preparation through reporting of results |  |

## Part 2: Assessment Checklist

The following checklist will be used by your assessor to mark your performance against the assessment criteria of your submitted/presented project. Use this checklist to understand what skills and/or knowledge you need to demonstrate in your submission/presentation. All the criteria described in the Assessment Checklist must be met. The assessor may ask questions while the submission/presentation is taking place or if appropriate directly after the task/activity has been submitted/completed.

Table 6 Assessment checklist

| TASK | Instructions | Test 1 | | Test 2 | | Test 3 | | Assessor Comments |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Report | Date |  | |  | |  | |  |
|  |  | S | US | S | US | S | US |  |
|  | Names test |  |  |  |  |  |  |  |
|  | Provides method name and number |  |  |  |  |  |  |  |
|  | Identifies required PPE |  |  |  |  |  |  |  |
|  | Identifies hazards and controls |  |  |  |  |  |  |  |
|  | Identifies sample types |  |  |  |  |  |  |  |
|  | Identifies traceability requirements |  |  |  |  |  |  |  |
|  | Lists sample preparation |  |  |  |  |  |  |  |
|  | Lists equipment/reagents |  |  |  |  |  |  |  |
|  | Discusses function of equipment/reagents and pre-use and safety checks |  |  |  |  |  |  |  |
|  | Lists data/observations to be made |  |  |  |  |  |  |  |
|  | Identifies typical results |  |  |  |  |  |  |  |
|  | Identifies atypical results |  |  |  |  |  |  |  |
|  | Identifies processes for atypical results |  |  |  |  |  |  |  |
|  | Identifies cleaning and storage requirements |  |  |  |  |  |  |  |
|  | Identifies typical wastes |  |  |  |  |  |  |  |
|  | Identifies how to dispose of wastes |  |  |  |  |  |  |  |
|  | Identifies the SI unit reported |  |  |  |  |  |  |  |
|  | Identifies WHS issues and actions |  |  |  |  |  |  |  |

## Assessment Feedback

*NOTE: This section* ***must*** *have the assessor signature and student signature to complete the feedback.*

### Assessment outcome

Satisfactory

Unsatisfactory

### Assessor Feedback

Was the assessment event successfully completed?

If no, was the resubmission/re-assessment successfully completed?

Was reasonable adjustment in place for this assessment event?  
*If yes, ensure it is detailed on the assessment document.*

Comments:

### Assessor name, signature and date:

### Student acknowledgement of assessment outcome

Would you like to make any comments about this assessment?

### Student name, signature and date

***NOTE: Make sure you have written your name at the bottom of each page of your submission before attaching the cover sheet and submitting to your assessor for marking.***