

# T Level Technical Qualification in Science

Occupational specialism assessment (OSA)

## Laboratory Sciences

Assignment 2 - Part A

Practical assessment evidence requirements

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# Laboratory Sciences

## Practical assessment evidence requirements

Assignment 2

Part A

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## Introduction

TQ pathway:	Science
Occupational specialism:	Laboratory Sciences
Assignment:	Assignment 2 Part A

The following table lists the evidence that providers must ensure is collected for each student completing assignment 2 part A in the Laboratory Sciences occupational specialism of the TQ in Science. Evidence is split into the following types:

- student produced evidence
- audio visual recordings
- photographic evidence
- provider or tutor commentary

This form should be used as a checklist and signed off by the tutor and internal quality assurer before being returned to NCFE with the evidence for each student.

## Task 1

Task 1(a) Evidence requirement	Detailed commentary, where relevant
Student produced evidence	
Signed student declaration of authenticity.	Completed declaration of authenticity.
Audio visual recordings	
Short audio visual recording of the titration process.	Covering each step, to be labelled with the student and provider name. The recording should ensure that the student sets up the burette correctly and flushes the tap through before commencing the procedure. The student should then gradually add small volumes to their reaction mix, continuously mixing, until they reach near the end point, when it turns a pale yellow colour. At this point the starch solution should be added and the titration slowly continued until a colourless endpoint is reached.
Photographic evidence	
Photograph of lab set up. Photograph of accuracy of recorded measurements check.	Showing equipment and set up prepared by the student. The student should set up their equipment in a logical manner, with clear labelling of any solutions and a logical order to them, such as reagents physically set out in the order that they are required to facilitate completion. The lab set up should be kept tidy to ensure good order to equipment. For measurements check student should be at eyelevel with the meniscus of the volume measured out.
Provider or tutor commentary	
Tutor marks and any relevant commentary. Completed tutor observation checklist.	Complete on student's work. Submit to support audio visual recording.

## Task 2

Task 1(b) Evidence requirement	Detailed commentary, where relevant
Student produced evidence	
Student's recorded results and any necessary calculations.	Student's results should be presented in a clear well-ordered table. Any errors should be crossed out so that the original transcription is still legible, with the correction noted alongside. Calculations should be carried out in full, with each step shown, with the result given to at least 3 significant figures.
Audio visual recordings	
N/A	
Photographic evidence	
N/A	
Provider or tutor commentary	
Tutor marks and any relevant commentary.	Complete on student's work.

## Task 3

<b>Tutor and provider sign off</b>	
Tutor confirmation: I confirm that all evidence is a true reflection of the student's work for this assignment.	
Tutor name:	Date:
Internal quality assurer confirmation: I confirm that I agree with the tutor confirmation and have carried out a suitable check to satisfy that this is the case.	
Internal quality assurer name:	Date:

SAMPLE ✓

## Document information

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Owner: Head of Assessment Design

## Change History Record

Version	Description of change	Approval	Date of Issue
v1.0	Post approval, updated for publication.		January 2021
v1.1	NCFE rebrand		September 2021
v1.2	Sample added as a watermark	November 2023	20 November 2023