



Laboratory and Associated Technical Activities

Qualification Structure

The Laboratory & Associated Technical Activities Qualifications are available at Levels 1 to 4. Levels 2 and 3 may be achieved by following one of the following pathways:

- Educational
- Industrial

At most levels candidates are required to complete Mandatory Units and then have a choice of Optional Units.

Document detail:

Laboratory and Associated Technical Activities	Level 1		NVQ
Laboratory and Associated Technical Activities	Level 2	Educational	NVQ & SVQ
Laboratory and Associated Technical Activities	Level 2	Industrial	NVQ & SVQ
Laboratory and Associated Technical Activities	Level 3	Educational	NVQ & SVQ
Laboratory and Associated Technical Activities	Level 3	Industrial	NVQ & SVQ
Laboratory and Associated Technical Activities	Level 4		NVQ

Who is the Qualification for:

The above qualifications may be suitable for you if you have one of the following job roles:

- Laboratory Technician
- Packaging Technologist
- Polymer Technologist
- Timber Technologist

Laboratory and Associated
Technical Activities

Level 1
100/4523/5 (NVQ)

Level 1
G7LF21 (SVQ) - Withdrawn by SQA

Last Registration Date 31st December 2010

Last Certification Date 31st December 2011

Total Number of Units Required: 5

Mandatory Units

- 1.01 Complying with statutory regulations and organisational safety requirements
 - 1.02 Developing and maintaining working relationships
 - 1.03 Use laboratory information systems
 - 1.04 Take laboratory measurements
 - 1.05 Perform basic laboratory activities
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Optional Units

There are no optional units in this qualification

Laboratory and Associated Technical Activities	Level 2 100/4524/7 (NVQ) Educational	Level 2 100/4524/7 (NVQ) Industrial	Level 2 G7LL22 (SVQ) Educational	Level 2 G7LH22 (SVQ) Industrial
Last Registration Date	31 st December 2010	31 st December 2010	30 th September 2010	30 th September 2010
Last Certification Date	31 st December 2012	31 st December 2012	30 th September 2012	30 th September 2012

Total Number of Units Required: 6

Mandatory Units

- 1.01 Complying with statutory regulations and organisational safety requirements
- 1.02 Developing and maintaining working relationships
- 1.03 Use laboratory information systems

Optional Units

3 units required where 2 must be taken from Group A the remaining unit can be from Group A or B:

Option A

Educational

- 2.08 Prepare laboratories for learning activities
- 2.09 Maintain laboratory and associated resources
- 2.10 Process requests to support learning

Industrial

- 2.03 Carry out simple testing operations
- 2.04 Carry out simple sampling operations
- 2.05 Prepare laboratory materials, equipment and resources

Option B

Educational

- 2.06 Calibrate equipment
- 2.07 Control stocks of laboratory materials and equipment
- 2.11 Contribute to the support of student activities
- 2.12 Trial laboratory methods for use in learning activities

Industrial

- 2.06 Calibrate equipment
- 2.07 Control stocks of laboratory materials and equipment
- 2.13 Work in aseptic or clean room conditions

Laboratory and Associated Technical Activities	Level 3 100/4525/9 (NVQ) Educational	Level 3 100/4525/9 (NVQ) Industrial	Level 3 G7LG23 (SVQ) Educational	Level 3 G7LJ23 (SVQ) Industrial
Last Registration Date	31 st December 2010	31 st December 2010	30 th September 2010	30 th September 2010
Last Certification Date	31 st December 2013	31 st December 2013	30 th September 2013	30 th September 2013

Total Number of Units Required: 8

Mandatory Units

Educational

- 3.01 Maintain a healthy, safe and productive work environment
- 3.02 Create effective working relationships
- 3.05 Provide technical support
- 3.17 Improve the quality and reliability of the laboratory
- 2.11 Contribute to the support of student activities

Industrial

- 3.01 Maintain a healthy, safe and productive work environment
- 3.02 Create effective working relationships
- 3.03 Carry out testing operations
- 3.04 Assess data and produce reports
- 3.05 Provide technical support

Optional Units

3 units required where 2 must be taken from Group A, the remaining unit can be from Group A or B:

Option A

Educational

- 3.18 Diagnose faults, repair and maintain laboratory equipment
- 3.19 Develop and trial new laboratory methods
- 3.21 Contribute to the planning of teaching and learning
- 3.22 Demonstrate laboratory methods to facilitate learning
- 2.07 Control stocks of laboratory materials and equipment

Industrial

- 3.06 Plan delivery of sampling and testing
- 3.07 Carry out complex testing operations
- 3.08 Carry out complex sampling operations
- 3.09 Carry out investigations
- 3.10 Carry out small scale processing
- 3.16 Identify and monitor calibration requirements for equipment
- 3.20 Developing the research design

Option B

Educational

- 3.23 Assist colleagues in particular laboratory techniques
- 3.09 Carry out investigations
- 3.11 Make presentations
- 3.12 Manage yourself
- 3.14 Contribute to the development of teams and individuals
- 3.15 Lead the work of teams and individuals to achieve their objectives
- 3.20 Developing the research design

Industrial

- 2.07 Control stocks of laboratory materials and equipment
- 2.13 Work in aseptic or clean room conditions
- 3.11 Make presentations
- 3.12 Manage yourself
- 3.13 Enable learning through demonstrations and instruction
- 3.14 Contribute to the development of teams and individuals
- 3.15 Lead the work of teams and individuals to achieve their objectives

Laboratory and Associated Technical Activities	Level 4 100/4526/0 (NVO)	Level 4 G7LK24 (SVO) - Withdrawn by SQA
Last Registration Date	31 st December 2010	
Last Certification Date	31 st December 2013	

Total Number of Units Required: 8

Mandatory Units

- 4.01 Develop and maintain a healthy and safe work environment
 - 4.02 Develop productive working relationships
 - 4.03 Develop and monitor plans and procedures
 - 4.04 Determine and implement health and safety at risk control measures
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Optional Units

4 units required where 2 must be taken from Group A the remaining units can be from Group A or B:

Option A

- 4.05 Devise and agree an overall technical plan
- 4.06 Run technical projects
- 4.07 Write technical reports
- 4.08 Manage activities to meet requirements
- 4.09 Manage the use of financial resources
- 4.10 Manage information for action
- 4.11 Develop and deliver teaching and learning activities

Option B

- 3.09 Carry out investigations
- 3.10 Carry out small scale processing
- 3.12 Manage yourself
- 3.20 Developing the research design