



SOUTH AFRICAN QUALIFICATIONS AUTHORITY
REGISTERED QUALIFICATION:

National Certificate: Manufacturing Management

SAQA QUAL ID	QUALIFICATION TITLE			
49743	National Certificate: Manufacturing Management			
ORIGINATOR				
SGB Food Manufacturing				
PRIMARY OR DELEGATED QUALITY ASSURANCE FUNCTIONARY			NQF SUB-FRAMEWORK	
FOODBEV - Food and Beverages Manufacturing Industry Sector Education and Training Authority			OQSF - Occupational Qualifications Sub-framework	
QUALIFICATION TYPE	FIELD	SUBFIELD		
National Certificate	Field 06 - Manufacturing, Engineering and Technology	Manufacturing and Assembly		
ABET BAND	MINIMUM CREDITS	PRE-2009 NQF LEVEL	NQF LEVEL	QUAL CLASS
Undefined	121	Level 5	Level TBA: Pre-2009 was L5	Regular-Unit Stds Based
REGISTRATION STATUS		SAQA DECISION NUMBER	REGISTRATION START DATE	REGISTRATION END DATE
Reregistered		SAQA 06120/18	2018-07-01	2023-06-30
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT		
2024-06-30		2027-06-30		

In all of the tables in this document, both the pre-2009 NQF Level and the NQF Level is shown. In the text (purpose statements, qualification rules, etc), any references to NQF Levels are to the pre-2009 levels unless specifically stated otherwise.

This qualification replaces:

Qual ID	Qualification Title	Pre-2009 NQF Level	NQF Level	Min Credits	Replacement Status
21813	National Certificate: First Line Manufacturing Management: Food and Beverage	Level 5	Level TBA: Pre- 2009 was L5	120	Complete

PURPOSE AND RATIONALE OF THE QUALIFICATION

Purpose:

A person acquiring this qualification will be able to plan work processes to ensure that (a) production line(s) operate effectively within the performance requirements of the manufacturing unit, lead people within a production environment to ensure organisational objectives are achieved, maintain health, safety and quality control standards, organise, control and continuously improve a production process in the South African manufacturing context to enable the unit and the organisation to remain competitive in the global market place.

The skills, knowledge and understanding demonstrated within this qualification are essential for the creation of a talent pool of production experienced and effective first line managers that represents the demographics of the South African society.

This qualification will create a leadership cadre for the manufacturing industry that will be able to apply in the workplace the skills and knowledge acquired.

Rationale:

This qualification reflects the needs of the Manufacturing Industry for a person with first line management skills and with a sound knowledge base and experience of production and manufacturing. A generic first line management qualification is not conceptualised to the specific needs of manufacturing with regards to management of materials, problem-solving in a manufacturing context and integration and coordination of multiple activities to optimise a production process.

The learners will typically be first line manufacturing managers with an automated production process. The Manufacturing industry has identified the need to develop a pool of management talent to enable organisations to implement integrated systems and management processes to become internationally competitive and a choice is given to enable the learner to specialise with a contextualised manufacturing area.

This qualification will ensure that the levels of skills in the South African Manufacturing environment will be enhanced and that learners completing this qualification will be able to manage a production line at a standard comparable with the rest of the world. The qualification, although developed specifically for the food and beverage industry also provides the flexibility to articulate to other manufacturing environments such as fast moving consumable products, pharmaceutical, chemical, motor assembly, wood milling and a packaging environment.

The level of flexibility within the range of electives will allow the individual to pursue some further specialization within human resources management, training and development, general management, senior manufacturing management or packaging technology development.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

It is assumed that learners are already competent in:

- Communication and Mathematical Literacy at NQF Level 4.
- The unit standards:
 - > 120366: "Demonstrate understanding of the implementation of occupational health, safety and environmental legislation in the work place", Level 4.
 - > 10981: "Supervise work unit to achieve work unit objectives (individuals and teams)", Level 4.
 - > 14586: "Monitor and control quality control practices in a manufacturing/engineering environment", Level 4.

Recognition of prior learning:

This qualification may be achieved in part or completely through the recognition of prior learning, which includes formal, informal and non-formal learning and work experience.

Access to the qualification:

Access to the qualification is open bearing in mind the learning assumed in place.

RECOGNISE PREVIOUS LEARNING?

Y

QUALIFICATION RULES

- All Fundamental unit standards, totalling 34 credits, are compulsory.
- All Core unit standards, totalling 30 credits, are compulsory.
- Learners must choose a minimum of 57 credits from the Elective component of the qualification as follows:
 - > 36 credits must be chosen from the unit standards addressing Manufacturing Efficiencies and Processes.
 - > 21 credits must be chosen from the additional Elective unit standards.
- A minimum of 121 credits is required to obtain the qualification.

EXIT LEVEL OUTCOMES

1. Plan work processes to ensure that production lines operate effectively within the operational requirements of the manufacturing unit.
2. Lead people within a production environment to ensure organisational objectives are achieved.
3. Maintain health, safety, quality control and environmental standards during the production process.
4. Organise, control and continuously improve a production process in the South African manufacturing context to enable the unit and the organisation to remain competitive in the global market place.

ASSOCIATED ASSESSMENT CRITERIA

1:

- Relevant policies, procedures and legislation is used as guideline to the formulation of all plans.
- All plans are developed in accordance with the integrated activities of the organisation's supply chain.
- Operational budgets, which are realistic and accurate, are developed for a production process.
- Material resource plans, which are realistic and accurate, are developed for a production process.
- Human resource plans, are developed for a production process.
- Operational and production plans linked to standard operating procedures and the manufacturing strategy of the organisation, are developed for production process.

2:

- A common vision for a new or established team is developed or enhanced that reflects the organisation culture but is committed to the achievement of defined organisational objectives within the production process.
- Leadership styles are selected that best contribute to the commitment of the team members and portrays the organisation ethics, values and culture.
- High levels of trust developed and maintained through the creation of a culture of honesty and integrity.
- Individuals and team performance is measured against all plans developed for the production process, variances are highlighted and feedback given, corrective actions applied where necessary.

3:

- Personal, environment and product safety are maintained during the manufacturing of the product.
- Ensure good manufacturing practices are applied during the production process.
- Verify conformance to quality parameters during the production process.
- Process tools and equipment are effectively organised to minimise waste.

4:

- Standards and controls related to work processes are managed within the production process.
- Variance between forecasts and plans and the outcome of the work processes is recorded, analysed and reported.
- Process, product and quality deviations are identified and feedback and corrective actions implemented.
- Suggestions for improvement are fostered, discussed, debated, collated and distributed through the organisation according to the specific communication channels of the organisation.
- Implement new ideas and improvements as approved by the organisation.

Integrated assessment:

Integrated assessment provides the opportunity for learners to show they are able to integrate concepts actions and ideas achieved across a range of unit standards and contexts. Integrated assessment must evaluate the quality of competence attained by the learner.

The learner, being found competent to achieve the exit level outcomes of the qualification will be assessed competent and be awarded the qualification. This will ensure that learning and competence are not achieved only in the building blocks of the unit standards but also in the

integration and application of the fundamental core and elective building blocks to a particular context i.e. the exit level outcomes.

INTERNATIONAL COMPARABILITY

Benchmarking was done against the AQF from Australia, NVQ from England, the Scottish NVQ and the NQF from New Zealand.

The National Qualifications Framework (NVQ) for England, contains the following equivalent qualifications in Manufacturing Management:

- Registration 100\2951\5 Level 4 NVQ Mechanical Manufacturing.
- Registration 100\3395\6 Level 5 NVQ Certificate in Manufacturing.
- Registration 100\3396\8 Level 5 NVQ Diploma in Manufacturing.

The Certificate incorporates units as mandatory in Analytical methods, Business Management, Project Management, Manufacturing Design, Business Improvement, and managing the work of the individual.

These qualifications relate almost identically to the National Certificate and the present National Diploma, again where elements of management, engineering and world-class manufacturing are incorporated into one vocational qualification.

The Scottish qualification authority have a qualification at level four, that is titled the Certificate in Manufacturing that incorporates team leadership and manufacturing skills.

The New Zealand Qualification Authority has two qualifications that mirror the ladder of learning in South Africa namely:

- Registration 1067, Certificate in Manufacturing Management.
- Registration 1068 Diploma in manufacturing Management.

The Certificate has units that include:

- Productivity, efficiencies and optimisation.
- Communication.
- Cost and Management Accounting.
- Quality.
- Operations management.
- Business Management.
- Leadership.
- Maintenance.
- Waste Management.

The Diploma includes the following units:

- Plant Design.
- Business Strategy.
- Production Planning.
- Marketing management.
- Statistical process Control.
- Financial Management.

Again outcomes based qualifications for people at work that combine the concepts of engineering, lean production, and management.

The Australian Qualification Framework incorporates within their federal system qualifications from each of their federal states.

In New South Wales the Sydney Institute of Business and Technology offers a Certificate and Diploma in Manufacturing that incorporates elements of operations management and business management. Units of analytical techniques, plant design, industrial engineering, as well as people management, cost and management accounting and leadership.

Further the University of Technology of Sydney offers a Certificate in Engineering and Business that has a "purpose to match management, business and manufacturing skills in an holistic engineering qualification.

In Queensland, the Queensland University of Technology offers a Certificate in Engineering and Business that also incorporates management and manufacturing skills.

The qualification covers the same processes although the design of a qualification and a Unit of learning within the South African context differs from the Australian design.

ARTICULATION OPTIONS

This qualification allows for both horizontal and vertical articulation.

Horizontal articulation can occur with:

- 3229: "Certificate: Engineering Management" at NQF Level 5.
- 23614: "Certificate: Management" at NQF Level 5.
- 21142: "Certificate: Food and Beverage Management" at NQF Level 5.

Vertical articulation can occur with:

- 8071: "Diploma: Manufacturing Management" at NQF Level 5.
- 21847: "National Diploma: Manufacturing Management: Food and Beverage" at NQF Level 6. (This qualification has expired and is in the process of revision).

MODERATION OPTIONS

- Anyone assessing a learner or moderating the assessment of a learner against this Qualification must be registered as an assessor with the relevant ETQA.
- Any institution offering learning that will enable the achievement of this Qualification must be accredited as a provider with the relevant ETQA.
- Assessment and moderation of assessment will be overseen by the relevant ETQA according to the ETQA's policies and guidelines for assessment and moderation; in terms of agreements reached around assessment and moderation between ETQA's (including professional bodies); and in terms of the moderation guideline detailed immediately below.
- Moderation must include both internal and external moderation of assessments at the exit points of the qualification, unless ETQA policies specify otherwise. Moderation should also encompass achievement of the competence at the exit level as the integrated competence described in the qualification.

Anyone wishing to be assessed against this Qualification may apply to be assessed by any assessment agency, assessor or provider institution that is accredited by the relevant ETQA.

CRITERIA FOR THE REGISTRATION OF ASSESSORS

For an applicant to register as an assessor, the applicant needs:

- Well-developed interpersonal skills, subject matter and assessment experience.
- The assessor needs to be competent in the planning and conducting assessment of learning outcomes as described in the unit standards Plan and conduct assessment of learning outcomes NQF level 5. The subject matter experience must be well developed with in the field of manufacturing management.
- A national first degree in food or beverage manufacturing management on NQF level 7 and 6 months field experience,
- The subject matter experience of the assessor can be established by recognition of prior learning.
- Assessors need to be registered with the relevant Sector Education and Training Quality Assurance Body.

- Detailed documentary proof of educational qualification, practical training undergone, and experience gained by the applicant must be provided (Portfolio of evidence).

REREGISTRATION HISTORY

As per the SAQA Board decision/s at that time, this qualification was Reregistered in 2012; 2015.

NOTES

This qualification replaces qualification 21813, "National Certificate: First Line Manufacturing Management: Food and Beverage", Level 5, 120 credits.

UNIT STANDARDS:

	ID	UNIT STANDARD TITLE	PRE-2009 NQF LEVEL	NQF LEVEL	CREDITS
Core	15237	Build teams to meet set goals and objectives	Level 5	Level TBA: Pre-2009 was L5	3
Core	10631	Demonstrate an understanding of manufacturing, principles, methodologies and processes	Level 5	Level TBA: Pre-2009 was L5	7
Core	114278	Demonstrate and apply an understanding of the Labour Relations Act (Act 66 of 1995)	Level 5	Level TBA: Pre-2009 was L5	12
Core	15230	Monitor team members and measure effectiveness of performance	Level 5	Level TBA: Pre-2009 was L5	4
Core	15220	Set, monitor and measure the achievement of goals and objectives for a team, department or	Level 5	Level TBA: Pre-2009 was L5	4

		division within an organisation			
Fundamental	120300	Analyse leadership and related theories in a work context	Level 5	Level TBA: Pre-2009 was L5	8
Fundamental	115821	Apply business financial practices	Level 5	Level TBA: Pre-2009 was L5	4
Fundamental	15236	Apply financial analysis	Level 5	Level TBA: Pre-2009 was L5	4
Fundamental	10622	Conduct communication within a business environment	Level 5	Level TBA: Pre-2009 was L5	8
Fundamental	12999	Contribute to the management of costs and the enhancement of value	Level 5	Level TBA: Pre-2009 was L5	10
Elective	13953	Apply the principles of situational leadership to a business unit	Level 4	NQF Level 04	5
Elective	14357	Demonstrate an understanding of a selected business environment	Level 4	NQF Level 04	10
Elective	13952	Demonstrate basic understanding of the Primary labour legislation that impacts on a business unit	Level 4	NQF Level 04	8
Elective	10144	Identify, suggest and implement corrective actions to improve quality	Level 4	NQF Level 04	6

Elective	120377	Identify, suggest and implement corrective actions to improve quality of project work	Level 4	NQF Level 04	7
Elective	11473	Manage individual and team performance	Level 4	NQF Level 04	8
Elective	7997	Managing self-development	Level 4	NQF Level 04	12
Elective	119796	Monitor and control quality assurance procedures in a food or sensitive consumer product environment	Level 4	NQF Level 04	8
Elective	13947	Motivate a team	Level 4	NQF Level 04	6
Elective	120375	Participate in the estimation and preparation of cost budget for a project or sub project and monitor and control actual cost against budget	Level 4	NQF Level 04	6
Elective	10134	Participate in the estimation and preparation of cost budgets for an element of work and monitor and control actual cost against budget	Level 4	NQF Level 04	6
Elective	119797	Conduct audits within a quality management system	Level 5	Level TBA: Pre-2009 was L5	8
Elective	115753	Conduct outcomes-based assessment	Level 5	Level TBA: Pre-2009 was L5	15

Elective	119801	Demonstrate an understanding of microbiological principles and its application in a food handling environment.	Level 5	Level TBA: Pre-2009 was L5	12
Elective	15217	Develop an organisational training and development plan	Level 5	Level TBA: Pre-2009 was L5	6
Elective	117874	Guide learners about their learning, assessment and recognition opportunities	Level 5	Level TBA: Pre-2009 was L5	6
Elective	11286	Institute disciplinary action	Level 5	Level TBA: Pre-2009 was L5	8
Elective	119159	Maintain manufacturing efficiencies	Level 5	Level TBA: Pre-2009 was L5	12
Elective	9897	Manage inventory	Level 5	Level TBA: Pre-2009 was L5	3
Elective	119166	Optimise manufacturing processes	Level 5	Level TBA: Pre-2009 was L5	24
Elective	119800	Optimise product and process quality in a food or sensitive consumer product environment	Level 5	Level TBA: Pre-2009 was L5	8
Elective	119799	Provide information on scientific, technical and quality standards	Level 5	Level TBA: Pre-	7

		for food or sensitive consumer products		2009 was L5	
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LEARNING PROGRAMMES RECORDED AGAINST THIS QUALIFICATION:

When qualifications are replaced, some (but not all) of their learning programmes are moved to the replacement qualifications. If a learning programme appears to be missing from here, please check the replaced qualification.

NONE

PROVIDERS CURRENTLY ACCREDITED TO OFFER THIS QUALIFICATION:

This information shows the current accreditations (i.e. those not past their accreditation end dates), and is the most complete record available to SAQA as of today. Some Primary or Delegated Quality Assurance Functionaries have a lag in their recording systems for provider accreditation, in turn leading to a lag in notifying SAQA of all the providers that they have accredited to offer qualifications and unit standards, as well as any extensions to accreditation end dates. The relevant Primary or Delegated Quality Assurance Functionary should be notified if a record appears to be missing from here.

1. Competence Performance Consulting cc
 2. CTP FLEXIBLES
 3. CTP GRAVURE - JOHANNESBURG
 4. CTP GRAVURE DURBAN
 5. CTP PRINTERS - JOHANNESBURG
 6. CTP.Packaging
 7. Limpopo Dairy PTY LTD
 8. National Training Institute (NTI)
 9. OPTIMUM LEARNING TECHNOLOGIES PTY LTD
 10. Seacrest Investments 156 (PTY)LTD
 11. Shumani Mills Communications
 12. Thornbird Trade And Invest 100 Pty Ltd
 13. Thuthuka Packaging A Division Of Ctp Ltd
 14. Umbuso Training Services
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