

No. 981

6 October 2006

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In accordance with regulation 24(c) of the Regulations of 28 March 1998, the Standards Generating Body (SGB) for

Food

Registered by Organising Field 06, Manufacturing, Engineering and Technology, publishes the following qualification and unit standards for public comment.

This notice contains the titles, fields, subfields, NQF levels, credits, and purpose of the qualification and unit standard. The qualification and unit standards can be accessed via the SAQA web-site at www.sqa.org.za. Copies may also be obtained from the Directorate of Standards Setting and Development at the **SAQA** offices, Hatfield Forum West, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the unit standards should reach **SAQA** at the address **below and no later than 5 November 2006**. All correspondence should be marked **Standards Setting – SGB for Food** and addressed to

The Director: Standards Setting and Development

SAQA

Attention: Mr. D. Mphuthing

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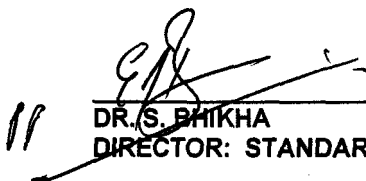
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DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



SAQA QUAL ID		QUALIFICATION TITLE	
57694		National Certificate: Food and Beverage Packaging Operations	
SGB NAME		ORGANISING FIELD ID	PROVIDER NAME
SGB Food		6	
QUAL TYPE		ORGANISING FIELD DESCRIPTION	SUBFIELD
National Certificate		Manufacturing, Engineering and Technology	Manufacturing and Assembly
ABET BAND	MINIMUM CREDITS	NQF LEVEL	QUALIFICATION CLASS
Undefined	120	Level 3	Regular-Unit Stds Based

PURPOSE AND RATIONALE OF THE QUALIFICATION

Purpose:

A person acquiring this qualification will be able to produce a packaged food or beverage product by operating, controlling and maintaining a primary or secondary packaging process within a food manufacturing environment whilst applying food safety, personal safety, quality assurance and monitoring critical control points.

This qualification will contribute to the full development of the learner within the food and beverage packaging environment by providing recognition, further mobility and portability within the field of food manufacturing and sensitive fast moving consumer goods environment.

The skills, knowledge and understanding required to achieve this qualification are essential for the social and economic transformation of the South African food manufacturing environment and will contribute to the upliftment and skills development of the people therein.

Rationale:

This qualification is aimed at learners requiring a qualification in the primary packaging process within a specific food or beverage context.

This qualification reflects the workplace-based needs of the primary and secondary packaging industry that is expressed by employers and employees, both now and for the future.

This qualification, although developed specifically for the food and beverage industry, also provides the flexibility for learners to articulate to other manufacturing environments such as fast-moving consumable products, the pharmaceutical, and chemical industries.

The level of flexibility within the range of electives will allow the individual to pursue a career within an applied technical packaging environment, in the specific contexts of dairy, confectionery, food processing, coffee, tea, spice manufacturing, carbonated soft drinks and distilling and brewing.

RECOGNIZE PREVIOUS LEARNING?

Y

LEARNING ASSUMED TO BE IN PLACE

It is assumed that learners are already competent in:

> Communication and Mathematical Literacy at NQF Level 2.

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. Evidence can be presented in a variety of forms, including previous international or local qualifications, reports, testimonials, mentoring functions performed, portfolios, work records and performance records. As such, evidence should be judged according to the general principles of assessment. Learners who have met the requirements of any unit standard that forms part of this qualification may apply for recognition of prior learning to the relevant ETQA. The applicant must be assessed against the specific outcomes and assessment criteria for the relevant unit standards. A qualification will be awarded should a learner demonstrate that all the exit level outcomes of the qualification have been attained.

Access to the qualification:

Access to this qualification is open. However it is preferable that learners have already completed the following unit standards:

- > 120417: "Understand the control of pests and waste materials as part of a food safety system", NQF Level 2, 3 Credits.
- > 120416: "Apply personal safety practices in a food or sensitive consumer product environment", NQF Level 2, 5 Credits.
- > 120403: "Apply good manufacturing practices as part of a food safety system", NQF Level 2, 4 Credits.

QUALIFICATION RULES

The rules of combination will be:

Fundamental and Core are compulsory components of this qualification and the learner is required to select 48 credits within the Elective component of the qualification and within this component at least 24 credits must be obtained from Primary Packaging.

> Fundamental: 36 credits.

> Core: 41 credits.

> Electives: 43 credits of which at least 24 credits must be obtained from Primary Packaging as indicated below:

- > 242791: "Operate a coding process on a food automated packaging line", Level 4, 4 Credits.
- > 242782: "Operate a Washing Process on a food automated packaging line", Level 3, 8 Credits.
- > 242779: "Operate filling process on a food automated packaging line", Level 3, 18 Credits.
- > 242777: "Operate a closing process on a food automated packaging line", Level 3, 6 Credits.
- > 242778: "Operate a labelling process on a food automated packaging line", Level 4, 10 Credits.
- > 242780: "Operate Unpacking Process on a food automated packaging line", Level 4, 4 Credits.
- > 242790: "Operate an inspection process on a food automated packaging line", Level 4, 4 Credits.
- > 242794: "Operate electronic weigh head system to package products on a food automated packaging line", Level 3, 10 Credits.
- > 242785: "Operate a forming, filling and sealing process on a food automated packaging line", Level 4, 18 Credits.
- > 242792: "Operate a wrapping process on a food automated packaging line", Level 4, 18 Credits.
- > 242789: "Operate hoppers on food automated packaging line", Level 3, 3 Credits.
- > 242788: "Operate Packing Process on a food automated packaging line", Level 3, 6 Credits.
- > 242783: "Operate packaged pasteurising process on a food automated packaging line", Level 3, 6 Credits.
- > 123312: "Operate and control the filling and sealing of cans for food products", Level 3, 12 Credits.

EXIT LEVEL OUTCOMES

1. Communicate in a variety of ways in a food and beverage manufacturing environment.
2. Maintain quality assurance and monitor critical control points in a food and beverage packaging manufacturing environment.
3. Operate a context specific range of automated packaging equipment.
4. Solve problems and improve an automated packaging process.

ASSOCIATED ASSESSMENT CRITERIA

1:

- > Relevant production plans are interpreted according to organisational operations procedures.
- > Measuring instruments are used to measure production inputs and outputs and record information according to organizationally acceptable methods.
- > Technical packaging operating equipment terminology is identified and explained according to supplier specifications and standard operating procedures.
- > Operating data is collected and recorded according to generally accepted norms and practices and standard operating policies and procedures.
- > Deviations from required standards are identified and recorded according to organizationally acceptable methods.
- > Team members are informed of production plans, shift objectives and problem-solving solutions to recorded deviations according to organizationally acceptable methods.

2:

- > Critical control points in a packaging line are identified, monitored and maintained to ensure health and safety standards are met.
- > Micro-biological concepts and practices are applied to a primary packaging operating line in order to prevent contamination and cross-contamination of products.
- > Quality control and quality assurance practices are applied in a packaging operating environment.

3:

- > Preparation and planning to operate context specific packaging equipment is conducted and documented to ensure quality and correct quantity of output is obtained.
- > Packaged products are produced within the context of organisation's primary production process.
- > Personal health, hygiene and food safety procedures are applied throughout the packaging operating process.

4:

- > Deviations from required standards are identified and recorded according to standard operating procedures.
- > Problems, challenges and matters within the operating process requiring a decision are identified to ensure efficient ongoing operation.
- > A proposed solution is identified and implemented according to recognized organisational methods or standard operating procedures.
- > The solution is evaluated and assessed in accordance with organizationally accepted methods or standard operating procedures.

Integrated assessment:

The applied competence (practical, foundational and reflexive competencies) of this qualification will be achieved if a candidate is able to produce a range of craft fermented products within a craft baking environment whilst applying food safety, personal safety, quality assurance and monitoring critical control points.

The identification and solving of problems, team work, organizing one-self, the using of applied science, the implication of actions and reactions in the world as a set of related systems must be assessed during any combination of practical, foundational and reflexive competencies assessment methods and tools to determine the whole person development and integration of applied knowledge and skills.

Applicable assessment tool(s) to establish foundational, reflexive and embedded knowledge, problem solving and the application of the world as a set of related systems within the craft baking environment.

A detailed portfolio of evidence is required to prove the practical, applied and foundational competencies of the learner.

Assessors should develop and conduct their own integrated assessment by making use of a range of formative and summative assessment methods and should assess combinations of practical applied, foundational and reflexive competencies. Assessors should assess and give credit for the evidence of learning that has already been acquired through formal, informal and non-formal learning and work experience.

Unit standards in the qualification must be used to assess specific and Critical Cross-Field Outcomes.

INTERNATIONAL COMPARABILITY

Benchmarking was done against the AQF from Australia, NVQ from England, Wales Scotland and Northern Ireland, and the NQF from New Zealand. These countries were chosen because of the automated nature of their packaging qualifications. It was required to identify qualifications that represented a fast moving automated packaging line. These countries not only have an internationally recognized vocational qualification system but also have developed their qualifications specifically for automated packaging process.

The Australian Qualification Framework contains an equivalent one year qualification in what is known as a composite level programmes:

> Registration 21283VIC Certificate 111 in Beer Packaging.

The Australian Qualifications are packaged in two ways either what is known as 'Single level programmes' where it is assumed that a person on entry has completed the lower level qualification or 'Composite level programs' where the person has not completed a lower level qualification and reflect the minimum requirement and this person would be expected to complete any pre-requisites as additional mandatory units in order to complete the qualification.

The combined qualification in the composite format covers many of the units from the level 2 certificate regarding occupational health and safety and food safety, communication and mathematics. In addition it covers aspects regarding monitoring and implementation of quality systems, food and safety plans and the ability to diagnose and respond to product and process faults.

The units that cover the same aspects as the South African qualifications are:

- > Communicate in the work place.
- > Coordinate promotional activities.
- > Apply basic mathematical concepts.
- > Apply safe work procedures.
- > Apply basic quality assurance.
- > Apply basic food safety practices.
- > Collect, present and apply workplace information.
- > implement occupational health and safety principles and procedures.
- > Monitor the implementation of quality systems.
- > Diagnose and respond to product and process faults (bread, cakes and cookies, pastry).
- > Monitor the implementation of the environmental management programme.
- > Participate in a Hazard Analysis Critical Control Points (HACCP) team.
- > Calculate and present statistical data.
- > Manage personal work priorities and professional development.
- > Pest prevention and control.
- > Start packaging operating equipment.
- > Diagnose and rectify equipment faults.
- > Control packaging operating equipment.
- > End packaging operating equipment.

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

The National Qualifications Framework (NQF) for England, Wales Scotland and Northern Ireland contains the following equivalent qualification in Packaging operations and Packaging technology:

- > Registration Q1051085 PAANQSET Level 1 NVQ in Packaging Operations.
- > Registration Q1051086 PAANQSET Level 2 NVQ in Packaging Operations.
- > Registration 100/3202/2 PIABC Level 3 Certificate in Packaging Technology.
- > Registration 1001318811 PIABC Level 4 Diploma in Packaging Technology.

These are four separate qualifications that are awarded by the Packaging Industry Awarding Body Company accredited by National qualification framework of the United Kingdom. The Level 1 qualification equates to NQF level 2, the level 2 equates to a level approximately between level 3 and level 4 and the Level 3 equates to NQF level 5 and level 4 equates to NQF level 6. Therefore the Level 2 NVQ in Packaging Operations reflects most closely the proposed South African qualification.

The units that cover the same aspects as the South African qualification:

> Mandatory Units:

- > Working in a team.
 - > Start packaging operations.
 - > Respond to incidents, hazardous conditions or emergencies.
 - > Work safely.
 - > Control packaging operations.
 - > End packaging operations.
- > Optional Units:
- > Producing product by simple processing operations.
 - > Providing workplace instruction.
 - > Communicating information.
 - > Control materials movement.
 - > Carry out routine machine changeover.
 - > Work in aseptic or clean room conditions.
 - > Work with hazardous materials.
 - > Prepare and clean area and equipment.
 - > Contribute to the health and safety of the workplace and the environment.
 - > Carry out simple sampling operations.
 - > Carry out simple testing operations.
 - > Solve processing problems.

The major difference between the UK qualifications and South African Qualifications is the UK deals with all the secondary packaging operations in their Level 1 qualification and all the primary packaging in the level 2 qualification whereas the South African qualification incorporates primary and secondary packing operations in this qualification. Secondly the South African qualification has developed packaging unit standards focused on the specific process i.e. filling labelling closing, washing, packing and unpacking whereas the UK qualification develops the unit standard from the task required of the learner i.e. "start up, control and end". Each alternative has its merits but the UK methodology may exclude potential portability from liquid packaging to confectionary packaging.'

The NQF from New Zealand:

There are no qualifications registered at this level but there are 18 Unit standards registered from level 1, to level 6. The level 3 unit standards form electives for the Certificate in Food and Related Products Processing at Level 3.

The unit standards that relate to this qualification are:

- > Demonstrate knowledge of packaging for food or related products.
- > Fill and package casks with liquid food products using automated equipment.
- > Implement a packaging line operations plan in a food or related products environment.
- > Package food and related products using automated gas flush packaging equipment.
- > Form packaging for food and related products using automated equipment.
- > Label food and related product containers using automated labelling equipment.
- > Operate food and related product identification process.
- > Pack filled liquid food or related product containers using automated packaging equipment.
- > Package canned food or related products using automated equipment.
- > Package food products using automated electronic weigh head systems.

There is a significant similarity between the unit standards of this qualification and these unit standards. However, the South African packaging qualification contains additional learning to the New Zealand qualification e.g. Fundamentals (Communication and Mathematical Literacy).

ARTICULATION OPTIONS

This qualification will allow a person to articulate to other baking, hospitality or food processing qualifications.

Vertical articulation is possible with the following NQF Level 4 Qualifications:

- > Further Education and Training Certificate: Dairy Processing (under development)
- > Further Education and Training Certificate: Brewing Processing (under development)

Horizontal articulation is possible with the following NQF Level 3 Qualifications in the food industry:

- > National Certificate: Biscuit Manufacturing (under development)
- > 50305: National Certificate: Food Laboratory Analysis

> National Certificate: Food and Beverage Processing (under development)

MODERATION OPTIONS

Moderation of assessment and accreditation of providers shall be at the discretion of a relevant ETQA as long as it complies with the SAQA requirements. The ETQA is responsible for moderation of learner's achievements, of learners who meet the requirements of the qualification.

Particular moderation and accreditation requirements are:

> Any institution offering learning that will enable achievement of this qualification must be accredited as a provider with the relevant ETQA.

> Moderation of assessment will be overseen by the relevant ETQA according to the moderation guidelines in the relevant qualification and the agreed ETQA procedures.

Moderation must include both internal and external moderation of assessments at exit points of the qualification, unless ETQA policies specify otherwise. Moderation should also encompass achievement of the competence described both in individual unit standards, exit level outcomes as well as the integrated competence described in the qualification.

CRITERIA FOR THE REGISTRATION OF ASSESSORS

Any person assessing a learner must be:

> Registered as an assessor with the relevant ETQA.

> Possess a similar qualification at one level higher than the level of the qualification and appropriate working experience.

NOTES

This qualification replaces qualification 20507, "National Certificate: Food and Beverage Packaging", Level 3, 121 credits.

	UNIT STANDARD ID AND TITLE	LEVEL	CREDITS	STATUS
core	9913 Perform first line maintenance	Level 3	14	Reregistered
core	12315 Demonstrate an understanding of basic machine operations in a manufacturing and or packaging environment	Level 3	7	Recommended
Core	114952 Apply problem-solving techniques to make a decision or solve a problem in a real life context	Level 3	2	Registered
Core	119802 Perform quality control practices in a food or sensitive consumer product operation	Level 3	6	Registered
core	120235 Demonstrate an understanding of the concept of microbiology in a food handling environment	Level 3	6	Registered
Core	120239 Monitor critical control points (CCPs) as an integral part of a hazard analysis critical control point (HACCP) system	Level 3	6	Registered
Elective	9055 Operate and control the tamperproof sealing of already filled and closed containen	Level 2	2	Reregistered
Elective	9322 Work in a team	Level 2	3	Reregistered
Elective	12258 Identify computerised systems in a manufacturing or processing system	Level 2	7	Recommended
Elective	242781 Pack manually	Level 2	2	Draft - Prep for P Comment
Elective	242787 Operate Tape Sealing equipment on a food automated packaging line	Level 2	2	Draft - Prep for P Comment
Elective	13919 Investigate and explain the structure of a selected workplace or organisation	Level 3	10	Reregistered
Elective	13932 Prepare and process documents for financial and banking processes	Level 3	5	Reregistered
Elective	14665 Interpret current affairs related to a specific business sector	Level 3	10	Reregistered
Elective	114892 Dispatch stock	Level 3	10	Registered
Elective	114896 Receive stock	Level 3	12	Registered
Elective	123312 Operate and control the filling and sealing of cans for food products	Level 3	12	Registered
Elective	242777 Operate a dosing process on a food automated packaging line	Level 3	6	Draft - Prep for P Comment

Elective	242779 Operate filling process on a food automated packaging line	Level 3	18	Draft - Prep for P Comment
Elective	242782 Operate a Washing Process on a food automated packaging line	Level 3	8	Draft - Prep for P Comment
Elective	242783 Operate packaged pasteurising process on a food automated packaging line	Level 3	6	Draft - Prep for P Comment
Elective	242784 Operate Shrink-wrapping equipment on a food automated packaging line	Level 3	4	Draft - Prep for P Comment
Elective	242786 Operate cellophaning equipment on a food automated packaging line	Level 3	3	Draft - Prep for P Comment
Elective	242788 Operate Packing Process on a food automated packaging line	Level 3	6	Draft - Prep for P Comment
Elective	242789 Operate hoppers on food automated packaging line	Level 3	3	Draft - Prep for P Comment
Elective	242794 Operate electronic weigh head system to package products on a food automated packaging line	Level 3	10	Draft - Prep for P Comment
Elective	242778 Operate a labelling process on a food automated packaging line	Level 4	10	Draft - Prep for P Comment
Elective	242780 Operate Unpacking Process on a food automated packaging line	Level 4	4	Draft - Prep for P Comment
Elective	242785 Operate a forming, filling and sealing process on a food automated packaging line	Level 4	18	Draft - Prep for P Comment
Elective	242790 Operate an inspection process on a food automated packaging line	Level 4	4	Draft - Prep for P Comment
Elective	242791 Operate a coding process on a food automated packaging line	Level 4	4	Draft - Prep for P Comment
Elective	242792 Operate a wrapping process on a food automated packaging line	Level 4	18	Draft - Prep for P Comment
Elective	242793 Operate the seaming of cans on a food automated packaging line	Level 4	18	Draft - Prep for P Comment
Fundamental	7456 Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	Level 3	5	Reregistered
Fundamental	9010 Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations	Level 3	2	Reregistered
Fundamental	9012 Investigate life and work related problems using data and probabilities	Level 3	5	Reregistered
Fundamental	9013 Describe, apply, analyse and calculate shape and motion in 2- and 3-dimensional space in different contexts	Level 3	4	Reregistered
Fundamental	119457 Interpret and use information from texts	Level 3	5	Registered
Fundamental	119465 Write/present/sign texts for a range of communicative contexts	Level 3	5	Registered
Fundamental	119467 Use language and communication in occupational learning programmes	Level 3	5	Registered
Fundamental	119472 Accommodate audience and context needs in oral/sign communication	Level 3	5	Registered



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

1

SAQA US ID	UNIT STANDARD TITLE		
242777	Operate a closing process on a food automated packaging line		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Food	6		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Manufacturing and Assembly	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
	6	Level 3	

SPECIFIC OUTCOME 1

Demonstrate understanding of closing equipment.

SPECIFIC OUTCOME 2

Prepare and start closing equipment.

SPECIFIC OUTCOME 3

Operate closing equipment.

SPECIFIC OUTCOME 4

Shutdown packing equipment.

SPECIFIC OUTCOME 5

Prepare for and perform changeovers on packing equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

2

SAQA US ID	UNIT STANDARD TITLE	
242778	Operate a labelling process on a food automated packaging line	
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME
SGB Food	6	
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular	Manufacturing, Engineering and Technology	Manufacturing and Assembly
ABET BAND (CREDITS)	NQF LEVEL	UNIT STANDARD TYPE

SPECIFIC OUTCOME 1

Prepare and Start Labelling equipment.

SPECIFIC OUTCOME 2

Operate Labelling equipment.

SPECIFIC OUTCOME 3

Shutdown Labelling equipment.

SPECIFIC OUTCOME 4

Prepare for and perform changeovers on labelling equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

3

Operate filling process on a food automated packaging line

SAQA US ID	UNIT STANDARD TITLE		
242779	Operate filling process on a food automated packaging line		
SGB NAME		(ORGANISING FIELD ID)	PROVIDER NAME
SGB Food		6	
UNIT STANDARD TYPE		ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Manufacturing, Engineering and Technology	Manufacturing and Assembly
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	18	Level 3	Regular

SPECIFIC OUTCOME 1

Demonstrate understanding of filling equipment.

SPECIFIC OUTCOME 2

Prepare and start filling equipment.

SPECIFIC OUTCOME 3

Operate filling equipment.

SPECIFIC OUTCOME 4

Shutdown filling equipment.

SPECIFIC OUTCOME 5

Prepare for and perform changeovers on filling equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

4

SAQA US ID	UNIT STANDARD TITLE		
242780	Operate Unpacking Process on a food automated packaging line		
SGB NAME		ORGANISING FIELD ID	PROVIDER NAME
SGB Food		6	
UNIT STANDARD TYPE		ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Manufacturing, Engineering and Technology	Manufacturing and Assembly
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	4	Level 4	Regular

SPECIFIC OUTCOME 1

Prepare and Start Unpacking Equipment.

SPECIFIC OUTCOME 2

Operate Unpacking Equipment.

SPECIFIC OUTCOME 3

Shutdown Unpacking Equipment.

SPECIFIC OUTCOME 4

Prepare for and perform changeovers on unpacking equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

5

Pack manually

SAQA US ID	UNIT STANDARD TITLE		
242781	Pack manually		
SGB Food	6		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Manufacturing and Assembly	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	2	Level 2	Regular

SPECIFIC OUTCOME 1

Demonstrate an understanding of packaging and palletising of containers.

SPECIFIC OUTCOME 2

Pack containers manually.

SPECIFIC OUTCOME 3

Palletise containers manually.

SPECIFIC OUTCOME 4

Perform end of packing and palletising procedures.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

6

SAQA US ID	UNIT STANDARD TITLE		
242782	Operate a Washing Process on a food automated packaging line		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Food	6		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Manufacturing and Assembly	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	8	Level 3	Regular

SPECIFIC OUTCOME 2

Prepare and Start Washing Equipment.

SPECIFIC OUTCOME 3

Operate Washing Equipment.

SPECIFIC OUTCOME 4

Shutdown Packing Equipment.

SPECIFIC OUTCOME 5

Prepare for and perform changeovers on washing equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

7

SAQA US ID	UNIT STANDARD TITLE		
242783	Operate packaged pasteurising process on a food automated packaging line		
SGB Food		6	
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Manufacturing and Assembly	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	6	Level 3	Regular

SPECIFIC OUTCOME 1

Demonstrate understanding of Packaged product pasteurising Equipment.

SPECIFIC OUTCOME 2

Prepare and Start Packaged product pasteurising Equipment.

SPECIFIC OUTCOME 3

Operate Packaged product pasteurising Equipment.

SPECIFIC OUTCOME 4

Shutdown Packaged product pasteurising Equipment.

SPECIFIC OUTCOME 5

Prepare for and perform changeovers on Packaged product pasteurising equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

8

SAQA US ID	UNIT STANDARD TITLE		
242784	Operate Shrink-wrapping equipment on a food automated packaging line		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Food	6		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Manufacturing and Assembly	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	4	Level 3	Regular

SPECIFIC OUTCOME 1

Prepare and Start Shrink-wrapping Equipment.

SPECIFIC OUTCOME 2

Operate Shrink-wrapping Equipment.

SPECIFIC OUTCOME 3

Shutdown Shrink-wrapping Equipment.

SPECIFIC OUTCOME 4

Prepare for and perform changeovers on shrink-wrapping equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

9

SAQA US ID	UNIT STANDARD TITLE	
242785	Operate a forming, filling and sealing process on a food automated packaging line	
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME
SGB Food	6	
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular	Manufacturing, Engineering and Technology	Manufacturing and Assembly
ABET BAND (CREDITS)	NQF LEVEL	UNIT STANDARD TYPE
8		

SPECIFIC OUTCOME 1

Demonstrate understanding of forming, filling and sealing equipment.

SPECIFIC OUTCOME 2

Prepare and start forming, filling and sealing equipment.

SPECIFIC OUTCOME 3

Operate forming, filling and sealing equipment.

SPECIFIC OUTCOME 4

Shutdown forming, filling and sealing equipment.

SPECIFIC OUTCOME 5

Prepare for and perform changeovers on forming, filling and sealing equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

10

Operate cellophaning equipment on a food automated packaging line

SAQA US ID	UNIT STANDARD TITLE		
242786	Operate cellophaning equipment on a food automated packaging line		
SGB NAME		ORGANISING FIELD ID	PROVIDER NAME
SGB Food		6	
UNIT STANDARD TYPE		ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Manufacturing, Engineering and Technology	Manufacturing and Assembly
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	3	Level 3	Regular

SPECIFIC OUTCOME 1

Prepare and start Cellophaning equipment.

SPECIFIC OUTCOME 2

Operate Cellophaning equipment.

SPECIFIC OUTCOME 3

Shutdown Cellophaning equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

11

SAQA US ID	UNIT STANDARD TITLE		
242787	Operate Tape Sealing equipment on a food automated packaging line		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Food	6		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Manufacturing and Assembly	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
		2	

SPECIFIC OUTCOME 1

Prepare and Start Tape sealing equipment.

SPECIFIC OUTCOME 2

Operate Tape Sealing equipment.

SPECIFIC OUTCOME 3

Shutdown Tape Sealing equipment.


SOUTH AFRICAN QUALIFICATIONS AUTHORITY

SAQA US ID	UNIT STANDARD TITLE		
242788	Operate Packing Process on a food automated packaging line		
SGB NAME		ORGANISING FIELD ID	PROVIDER NAME
SGB Food		6	
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Manufacturing and Assembly	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE

SPECIFIC OUTCOME 1

Demonstrate understanding of packing equipment.

SPECIFIC OUTCOME 2

Prepare and Start Packing Equipment.

SPECIFIC OUTCOME 3

Operate Packing Equipment.

SPECIFIC OUTCOME 4

Shutdown Packing Equipment.

SPECIFIC OUTCOME 5

Prepare for and perform changeovers on packing equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

13

SAQA US ID	UNIT STANDARD TITLE		
242789	Operate hoppers on food automated packaging line		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Food	6		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Manufacturing and Assembly	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	3	Level 3	Regular

SPECIFIC OUTCOME 1

Demonstrate an understanding of operating a hopper.

SPECIFIC OUTCOME 2

Prepare to operate a hopper.

SPECIFIC OUTCOME 3

Operate a hopper.

SPECIFIC OUTCOME 4

Shut down a hopper.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

14

SAQA US ID	UNIT STANDARD TITLE		
242790	Operate an inspection process on a food automated packaging line		
SGB NAME		ORGANISING FIELD ID	PROVIDER NAME
SGB Food		6	
UNIT STANDARD TYPE		ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Manufacturing, Engineering and Technology	Manufacturing and Assembly
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	4	Level 4	Regular

SPECIFIC OUTCOME 1

Demonstrate knowledge of Inspection equipment.

SPECIFIC OUTCOME 2

Prepare and start inspection equipment.

SPECIFIC OUTCOME 3

Operate inspection equipment.

SPECIFIC OUTCOME 4

Shutdown inspection equipment.

SPECIFIC OUTCOME 5

Prepare for and perform changeovers on inspection equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

15

SAQA US ID	UNIT STANDARD TITLE		
242791	Operate a coding process on a food automated packaging line		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Food	6		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Manufacturing and Assembly	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	4	Level 4	Regular

SPECIFIC OUTCOME 1

Demonstrate knowledge of coding equipment.

SPECIFIC OUTCOME 2

Prepare and start coding equipment.

SPECIFIC OUTCOME 3

Operate inspection equipment.

SPECIFIC OUTCOME 4

Shutdown coding equipment.

SPECIFIC OUTCOME 5

Prepare for and perform changeovers on coding equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

16

Operate a wrapping process on a food automated packaging line

SAQA US ID	UNIT STANDARD TITLE		
242792	Operate a wrapping process on a food automated packaging line		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Food	6		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Manufacturing and Assembly	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	18	Level 4	Regular

SPECIFIC OUTCOME 1

Demonstrate understanding of wrapping Equipment.

SPECIFIC OUTCOME 2

Prepare and Start wrapping Equipment.

SPECIFIC OUTCOME 3

Operate wrapping Equipment.

SPECIFIC OUTCOME 4

Shutdown wrapping Equipment.

SPECIFIC OUTCOME 5

Prepare for and perform changeovers on wrapping equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

17

SAQA US ID	UNIT STANDARD TITLE		
242793	Operate the seaming of cans on a food automated packaging line		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Food	6		
UNIT STANDARD TYPE	INDUSTRY	SECTOR	TYPE
Regular	Manufacture	Food and	Manufacturing and
BAND	LEVEL	REGISTRATION	TYPE
1	4	Registered	Regulated

SPECIFIC OUTCOME 1

Demonstrate understanding of seaming equipment.

SPECIFIC OUTCOME 2

Prepare and Start Seaming Equipment.

SPECIFIC OUTCOME 3

Operate can seaming Equipment.

SPECIFIC OUTCOME 4

Shutdown Seaming Equipment.

SPECIFIC OUTCOME 5

Prepare for and perform changeovers on Seaming equipment.



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:

18

SAQA US ID	UNIT STANDARD TITLE		
242794	Operate electronic weigh head system to package products on a food automated packaging line		
SGB NAME	ORGANISING FIELD ID	PROVIDER NAME	
SGB Food	6		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION	
Regular	Manufacturing, Engineering and Technology	Manufacturing and Assembly	
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
		3	Regular

SPECIFIC OUTCOME 1

Demonstrate understanding of an electronic weigh head packaging system.

SPECIFIC OUTCOME 2

Prepare and start an electronic weigh head packaging system.

SPECIFIC OUTCOME 3

Operate an electronic weigh head packaging system.

SPECIFIC OUTCOME 4

Shutdown an electronic weigh head packaging system.

SPECIFIC OUTCOME 5

Prepare for and perform changeovers on an electronic weigh head packaging system.