

Competency Standard (CS)

Food Quality Control Level-3

Agro Food Processing Sector

Competency Standard Code: CS-AFP-QC-L3-EN-V1



National Skills Development Authority
Prime Minister's Office
Government of the People's Republic of Bangladesh

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This Competency Standard for **Food Quality Control** is a document for the development of curricula, teaching and learning materials, and assessment tools. It also serves as the document for providing training consistent with the requirements of industry in order to meet the qualification of individuals who graduated through the established standard via competency-based assessment for a relevant job.

Public and private institutions may use the information contained in this standard for activities benefitting Bangladesh.

Introduction

The NSDA aims to enhance an individual's employability by certifying completeness with skills. NSDA works to expand the skilling capacity of identified public and private training providers qualitatively and quantitatively. It also aims to establish and operationalize a responsive skill ecosystem and delivery mechanism through a combination of Well-defined set of mechanisms and necessary technical supports.

Key priority economic growth sectors identified by the government have been targeted by NSDA to improve current job skills along with existing workforce to ensure required skills to industry standards. Training providers are encouraged and supported to work with industry to address identified skills and knowledge to enable industry growth and increased employment through the provision of market responsive inclusive skills training program. " **Food Quality Control**" is selected as one of the priority occupations of **Agro Food Processing** Sector. This standard is developed to adopt a demand driven approach to training with effective inputs from Industry Skills Councils, employer associations and employers.

Generally, a competency standard informs curriculum, learning materials, assessment and certification of trainees enrolled in Skills Training. Trainees who successfully pass the assessment will receive a qualification in the Bangladesh National Qualification Framework (BNQF) and will be listed on the NSDA's online portal.

This competency standard is developed to improve skills and knowledge in accordance with the job roles, duties and tasks of the occupation and ensure that the required skills and knowledge are aligned to industry requirements. A series of stakeholder consultations, workshops were held to develop this document.

The document also details the format, sequencing, wording and layout of the Competency Standard for an occupation which is comprised of Units of Competence and its corresponding elements.

Overview

A **competency standard** is a written specification of the knowledge, skills and attitudes required for the performance of an occupation, trade or job corresponding to the industry standard of performance required in the workplace.

The purpose of a competency standards is to:

- provide a consistent and reliable set of parts for training, recognising and assessing people's skills, and may also have optional support materials
- enable industry recognised qualifications to be awarded through direct assessment of workplace competencies
- encourage the development and delivery of flexible training which suits individual and industry requirements
- encourage learning and assessment in a work-related environment which leads to verifiable workplace outcomes

Competency standards are developed by a working group comprised of occupation specific experts, academicians, representatives from NSDA, SEIP and ISC to identify the competencies required of an occupation in **Agro Food Processing Sector**.

Competency standards describe the knowledge, skills and attitude needed to perform effectively in the workplace. CS acknowledge that people can achieve technical and vocational competency in many ways by emphaprinting what the learner can do, not how or where they learned to do it.

With competency standards, training and assessment may be conducted at the workplace or at training institute or any combination of these.

Competency standards consist of a number of units of competency. A unit of competency describes a distinct work activity that would normally be undertaken by one person in accordance with industry standards.

Units of competency are documented in a standard format that comprises of:

- unit title
- nominal duration
- unit code
- unit descriptor
- elements and performance criteria
- variables and range statement
- curricular content guide
- assessment evidence guides

Together, all the parts of a unit of competency:

- describe a work activity
- guide the assessor to determine whether the candidate is competent or not yet competent

The ensuing sections of this document comprise of a description of the relevant occupation, trade or job with all the key parts of a unit of competency, including:

- a chart with an overview of all Units of Competency for the relevant occupation, trade or job including the Unit Codes and the Unit of Competency titles and corresponding Elements
- the Competency Standard that includes the Unit of Competency, Unit Descriptor, Elements and Performance Criteria, Range of Variables, Curricular Content Guide and Assessment Evidence Guide.

Competency Standards for National Skill Certificate – 2 in Food Quality Control, Agro Food Processing Sector Level Descriptors of Skills Sector, BNQF Level 1-6

Level & Job classification	Knowledge Domain	Skills Domain	Responsibility Domain
6-Mid-Level Manager/ Sub Assistant Engineer	Comprehensive actual and theoretical knowledge within a specific work or study area with an awareness of the validity and limits of that knowledge, able to analyse, compare, relate and evaluate.	Specialised and wider range of cognitive and practical skills required to provide leadership in the development of creative solutions to defined problems. Communicate professional issues and solutions to the team and to external partners/users.	Work under broad guidance and self-motivation to execute strategic and operational plan/s. Lead lower-level management. Diagnose and resolve problems within and among work groups.
5-Supervisor	Broad knowledge of the underlying, concepts, principles, and processes in a specific work or study area, able to scrutinize and break information into parts by identifying motives or causes.	Broad range of cognitive and practical skills required to generate solutions to specific problems in one or more work or study areas. Communicate practice-related problems and possible solutions to external partners.	Work under guidance of management and self-direction to resolve specific issues. Lead and take responsibility for the work and actions of group/team members. Bridge between management.
4-Highly Skilled Worker	Broader knowledge of the underlying, concepts, principles, and processes in a specific work or study area, able to solve problems to new situations by comparing and applying acquired knowledge.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying the full range of methods, tools, materials and information. Communicate using technical terminology and IT technology with partners and users as per workplace requirements.	Work under minimal supervision in specific contexts in response to workplace requirements. Resolve technical issues in response to workplace requirements and lead/guide a team/ group.
3-Skilled Worker	Moderately broad knowledge in a specific work or study area, able to perceive ideas and abstract from drawing and design according to workplace requirements.	Basic cognitive and practical skills required to use relevant information in order to carry out tasks and to solve routine problems using simple rules and tools. Communicate with his team and limited external partners upholding the values, nature and culture of the workplace	Work or study under supervision with considerable autonomy. Participate in teams and responsible for group coordination.
2-Semi Skilled Worker	area, able to interpret and apply common occupational terms and instructions.	Skills required to carry out simple tasks, communicate with his team in the workplace presenting and discussing results of his work with required clarity.	Work or study under supervision in a structured context with limited scope of manipulation
1 –Basic Skilled Worker	Elementary understanding of ability to interpret the underpinning knowledge in a specific study area, able to interpret common occupational terms and instructions.	Specific Basic skills required to carry out simple tasks. Interpret occupational terms and present the results of own work within guided work environment/under supervision.	Work under direct supervision in a structured context with limited range of responsibilities.

List of Abbreviations

NSDA - National Skills Development Authority

CS - Competency Standard

SCVC - Standard and Curriculum Validation Commettee

ISC - Industry Skills Council

CBLM - Competency Based Learning Material

UoC - Unit of Competency

PPE - Personal Protective Equipemnt

OSH - Occupational Safety and Health

CBC - Competency Based Curriculum

AGP - Agro Food Processing

FQC - Food Quality Control

CNC - Computer and Neumeric Control

BNQF - Bangladesh National Qualification Framework

STP - Skills Training Provider

SOP - Standard Operating Procedure

UoC - Unit of Competency

4 IR - 4th Industrial Revolution

Approved by	the Author	rity meeting	g, held on .	

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List of members in the validation workshop:	40

$\label{lem:competency Standards for National Skill Certificate -3 in } Food\ Quality\ Control$

Course Structure

SL	Unit Code and Title			Nominal Hours
Generio	C Units of Competencies			45
1.	GU-02-L1-V1	Apply Occupational Health and Safety (OHS) procedure in the workplace	1	15
2.	GU-04-L1-V1	Work in the team environment	1	15
3.	GU-05-L2-V1	Carryout workplace interaction	2	15
Sector S	Specific Units of Competer	ncies		50
4.	SU-AFP-01-L1-V1	Follow quality and food safety programs.	1	30
5.	SU-AFP -03-L1-V1	Work in the food industry	1	20
Occupation Specific Units of Competencies				
6.	OU-AFP-FQC-01-L3-V1	Inspect quality of raw materials, ingredients and packaging materials	3	60
7.	OU-AFP-FQC-02-L3-V1	Inspect quality of food processing system	3	50
8.	OU-AFP-FQC-03-L3-V1	Control quality of food production system	3	60
9.	OU-AFP-FQC-04-L3-V1	Inspect quality of packagings with finished products	3	60
Total Learing Hours				
On-the Job				
		Total Nominal	Hours	485

Units & Elements at a Glance:

Generic Unit of Competency - 45 Hrs.

Code	Unit of competency	Elements of competency	Duration (hours)
GU-02-L1-V1	Apply Occupational Health and Safety (OHS) Procedure in The Workplace	 Identify OSH policies and procedures Follow OSH procedure Report hazards and risks. Respond to emergencies Maintain personal well-being 	15
GU-04-L1-V1	Work in the team environment	 Define team role and scope Identify individual role and responsibility Participate in team discussions Work as a team member 	15
GU-05-L2-V1	Carryout Workplace Interaction	 Interpret workplace communication and etiquette Interpret Workplace Documents Participate in workplace meetings and discussions Practice professional ethics at workplace 	15
Total Hours			45

Sector Specific Units of Competencies (50 Hours)

Code	Unit of competency	Elements of competency	Duration (hours)
SU-AFP-01-L1- V1	Follow Quality and Food Safety Programs	 Observe OSH. Practice personal hygiene and good grooming standards. Follow safe food handling and sanitation practices. Monitor quality of work outcome. Identify and act on quality deficits and/or food safety hazards. 	30
SU-AFP-03-L1- V1	Work in the Food Industry	 Identify job roles andresponsibilities in the foodindustry Identify and observe OSH inthe food industry Plan work activities Work with others 	20
Total hours	·		50

Occupation Specific Unit of Competencies – 230 Hours

Code	Unit of Competency	Elements of Competency	Duration (hours)
OU-AFP_FQC-01- L3-V1	Inspect quality of raw materials, ingredients and packaging materials	 Prepare for work Interpret checking procedure of raw materials, ingredients and packaging materials. Check the quality of raw materials, ingredients and packaging materials Store raw materials, ingredients and packaging materials 	60
OU-AFP_FQC-02- L3-V1	Inspect quality of food processing system	 Prepare for work Check quality of processing materials Inspect equipment and production area 	50
OU-AFP_FQC-03- L3-V1	Control quality of food production system	 Prepare for work Control quality of product Inspect equipment and production area 	60
OU-AFP_FQC-04- L3-V1	Inspect quality of packagings system with finished products	 Prepare for work Check packaging system Inspect finished goods 	60
Total hours			230

Generic Unit of Competenceis

Unit Code and Title	GU-02-L1-V1: Apply Occupational Health and Safety (OHS) Procedure in the Workplace
Unit Descriptor	This unit covers the knowledge, skills and attitudes required to apply occupational health and safety (OHS) procedure in the workplace.
,	It specifically includes identifying OHS policies and procedures, following OHS procedure, reporting hazards and risks, responding to emergencies, and maintaining personal well-being.
Nominal Hours	15 Hours
Elements of Competency	Performance Criteria Bold & Underlined terms are elaborated in the Range of Variables
	1.1. OHS policies and safe operating procedures are accessed
	and stated
1. Identify OSH policies	1.2. <u>Safety signs and symbols</u> are identified and followed
and procedures	1.3. Emergency response, evacuation procedures and other
	contingency measures are determined according to
	workplace requirements
	2.1 Personal protective equipment (PPE) is selected and
	collected as required
	2.2 Personal protective equipment (PPE) is correctly used in
2. Follow OSH procedure	accordance with organization OHS procedures and practices
1	2.3 A clear and tidy workplace is maintained as per workplace
	standard
	2.4 PPE is maintained to keep them operational and compliant with OHS regulations
3. Report hazards and	3.1 <u>Hazards</u> and risks are identified, assessed and controlled
risks.	3.2 Incidents arising from hazards and risks are reported to
115K5.	designated authority
	4.1 Alarms and warning devices are responded
	4.2 Workplace <u>emergency procedures</u> are followed
4. Respond to emergencies	4.3 <u>Contingency measures</u> during workplace accidents, fire and
4. Respond to emergencies	other emergencies are recognized and followed in
	accordance with organization procedures
	4.4 Frist aid procedures is applied during emergency situations
	5.1 OHS policies and procedures are adhered to
	5.2 OHS awareness programs are participated in as per
5. Maintain personal well-	workplace guidelines and procedures
being	5.3 Corrective actions are implemented to correct unsafe
, , , , , , , , , , , , , , , , , , ,	condition in the workplace
	5.4 <u>"Fit to work" records</u> are updated and maintained
	according to workplace requirements

Range of Variables			
Variables	Range (may include but not limited to):		
	1.1.	Bangladesh standards for OHS	
1 OHC policies	1.2.	Fire Safety Rules and Regulations	
1. OHS policies	1.3.	Code of Practice	
	1.4.	Industry Guidelines	
	2.1	Orientation on emergency exits, fire extinguishers, fire	
		escape, etc.	
2 Safa operating	2.2	Emergency procedures	
2. Safe operating procedures	2.3	First Aid procedures	
procedures	2.4	Tagging procedures	
	2.5	Use of PPE	
	2.6	Safety procedures for hazardous substances	
	3.1	Direction signs (exit, emergency exit, etc.)	
	3.2	First aid signs	
3. Safety signs and	3.3	Danger Tags	
symbols	3.4	Hazard signs	
	3.5	Safety tags	
	3.6	Warning signs	
	4.1	Gas Mask	
	4.2	Gloves	
	4.3	Safety boots	
4. Personal Protective	4.4	Face mask	
Equipment (PPE)	4.5	Overalls	
	4.6	Goggles and safety glasses	
	4.7	Sun block	
	4.8	Chemical/Gas detectors	
	5.1	Chemical hazards	
	5.2	Biological hazards	
5. Hazards	5.3	Physical Hazards	
J. Hazards	5.4	Mechanical and Electrical Hazard	
	5.5	Mental hazard	
	5.6	Ergonomic hazard	
	6.1	Fire fighting	
6 Emergency Procedures	6.2	Earthquake	
6. Emergency Procedures	6.3	Medical and first aid	
	6.4	Evacuation	
	7.1	Evacuation	
7. Contingency measures	7.2	Isolation	
	7.3	Decontamination	
8. "Fit to Work" records	8.1	Medical Certificate every year	
o. The work records	8.2	Accident reports, if any	

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Evidence Guide

The evidence must be authentic, valid, sufficient, reliable, consistent, recent and meet all requirements of current version of the Unit of Competency

requirements of current version of the Unit of Competency			
	Asse	essment required evidence that the candidate:	
	1.1	stated OHS policies and safe operating procedures	
	1.2	followed safety signs and symbols	
1. Critical aspects of	1.3	used personal protective equipment (PPE)	
1. Critical aspects of competency	1.4	maintained workplace clear and tidy	
competency	1.5	assessed and Controlled hazards	
	1.6	followed emergency procedures	
	1.7	followed contingency measures	
	1.8	implemented corrective actions	
	2.1	Define OHS	
	2.2	OHS Workplace Policies and Procedures	
	2.3	Work Safety Procedures	
2 II. 4	2.4	Emergency Procedures	
2. Underpinning knowledge	2.5	Hazard control procedure	
knowledge	2.6	Different types of Hazards	
	2.7	PPE and there uses	
	2.8	Personal Hygiene Practices	
	2.9	OHS Awareness	
	3.1	Accessing OHS policies	
	3.2	Handling of PPE	
3. Underpinning skills	3.3	Handling cleaning tools and equipment	
	3.4	Writing report	
	3.5	Responding to emergency procedures	
	4.1	Commitment to occupational health and safety	
	4.2	Sincere and honest to duties	
	4.3	Promptness in carrying out activities	
4. Required attitude	4.4	Environmental concerns	
4. Required attitude	4.5	Eagerness to learn	
	4.6	Tidiness and timeliness	
	4.7	Respect of peers and seniors in workplace	
	4.8	Communicate with peers and seniors in workplace	
	5.1	Workplace	
5. Resource implications	5.2	Equipment and outfits appropriate in applying safety measures	
r	5.3	Tools, materials and documentation required	

	Competency should be assessed by:
	6.1 Written test
6. Methods of assessment	6.2 Demonstration
	6.3 Oral questioning
	6.4 Portfolio
	7.1 Competency assessment must be done in a training center or
7. Context of assessment	in an actual or simulated workplace after completion of the
	training module
	7.2 Assessment should be done by a NSDA certified/nominated
	assessor

Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.

Tequired in working in a team environment.	Unit Code and Title	GU-04-L1-V1: Work in the Team Environment	
It includes defining team role and scope, identifying individual role and responsibility. Participating in team discussions and working as a team member. Nominal Hours 15 Hours		This unit covers the knowledge, skills and attitudes (KSA) required in working in a team environment.	
Define team role and scope Second Peter	Unit Descriptor	It includes defining team role and scope, identifying individual role and responsibility. Participating in team discussions and working as a team member.	
Library Bold & Underlined Variables	Nominal Hours		
Variables		Performance Criteria	
1. Define team role and scope 1. Define team role and scope 2. Identify individual role and responsibility 2. Identify individual role and responsibility 2. Identify individual role and responsibility 2. Reporting relationships among team members are defined and clarified 2. Reporting relationships external to the team are defined and clarified 3. Participate in team discussions 3. Participate in team discussions 4. Work as a team member 4. Sources of information 1. Sources of information 2. Team Members 2. Team Members 4. Coach/mentor 2. Team Members 2. Team Members 4. Coach/mentor 2. Supervisor/Manager 2. Team Members	Elements of Competency	<u>Bold & Underlined</u> terms are elaborated in the Range of	
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1.3 Operations Manual 1.4 Organizational Structure 2.1 Coach/mentor 2.2 Supervisor/Manager 2.3 Peers/Colleagues		1.1 Standard Operating Procedures	
1.3 Operations Manual 1.4 Organizational Structure 2.1 Coach/mentor 2.2 Supervisor/Manager 2.3 Peers/Colleagues	1 Sources of information	1.2 Job Description	
2.1 Coach/mentor 2.2 Supervisor/Manager 2.3 Peers/Colleagues	1. Sources of information	1.3 Operations Manual	
2. Team Members 2.2 Supervisor/Manager 2.3 Peers/Colleagues		1.4 Organizational Structure	
2.3 Peers/Colleagues			
2.3 Peers/Colleagues	2. Team Members		
1 2 4 Employee men =====++t====			
		2.4 Employee representative	
3.1 National Laws and Statutes			
3. Workplace context 3.2 Standard Operating Procedures	3. Workplace context		
3.3 Workplace Rules and Regulations Evidence Guide	7.11	3.5 Workplace Rules and Regulations	

Evidence Guide

The evidence must be authentic, valid, sufficient, reliable, consistent, recent and meet all requirements of current version of the Unit of Competency

	Assessment required evidence that the candidate:
1. Critical aspects of	1.1 demonstrated knowledge in working in a team environment.
competency	1.2 satisfied the requirements mentioned in the
	Performance Criteria and Range of Variables
	2.1 Team Structure, Role and Responsibility
	2.2 Individual Members' Roles and Responsibilities
	2.3 Communication Flow and Reporting Structures
2. Underpinning	2.4 Team Planning
knowledge	2.5 Interpersonal Communication Skills
	2.6 Team Meeting Procedures
	2.7 OHS Practices
	3.1 Identifying the role and responsibility of the team
	3.2 Identifying roles and responsibilities of individual members
3. Underpinning skills	3.3 Participating in team discussions
	3.4 Working as a team member
	4.1 Commitment to occupational health and safety
	4.1 Communent to occupational health and safety 4.2 Environmental concerns
	4.2 Environmental concerns 4.3 Eagerness to learn
4. Underpinning Attitudes	4.4 Tidiness and timeliness
	4.5 Respect for rights of peers and seniors in workplace
	4.6 Communication with peers and seniors in Workplace
	5.1 Pens
	5.2 Telephone
5. Resource implications	5.3 Computer
3. Resource implications	5.4 Writing materials
	5.5 Online communication
	Methods of assessment may include but not limited to:
	6.1. Demonstration
6. Methods of assessment	6.2. Oral questioning
o. Wethous of assessment	6.3. Written test
	6.4. Portfolio
	7.1 Competency assessment must be done in a training center
	or in an actual or simulated workplace after completion of
7. Context of assessment	the training module
7. Context of assessment	7.2 Assessment should be done by a NSDA
	certified/nominated assessor

Training Providers must be accredited by NSDA, the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of any BNQF qualification. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.

Unit Code and Title	GU-05-L2-V1: Carryout Workplace Interaction		
	This unit covers the knowledge, skills and attitudes required to		
	carry out workplace interaction.		
Unit Descriptor	It specifically includes interpreting workplace communication and		
	etiquette; reading and understand workplace documents;		
	participating in workplace meetings and discussions; and		
N	practicing professional ethics at workplace.		
Nominal Hours	15 Hours		
Elements of Compatoner	Performance Criteria Pold & Underlined terms are alcherated in the Penge of		
Elements of Competency	Bold & Underlined terms are elaborated in the Range of Variables Training Components		
	1.1 Workplace code of conducts are interpreted as per		
	organizational guidelines		
	1.2 Appropriate lines of communication are maintained with		
1. Interpret workplace	supervisors and colleagues		
communication and	1.3 Workplace interactions are conducted in a courteous		
etiquette	manner to gather and convey information		
	1.4 Questions about routine workplace procedures and		
	matters are asked and responded as required		
	2.1 Workplace documents are interpreted as per standard.		
	2.2 Assistance is taken to aid comprehension when required		
	from peers / supervisors		
2. Interpret Workplace	2.3 Visual information / symbols / signage's are understood		
Documents	and followed		
	2.4 Specific and relevant information are accessed from		
	appropriate sources		
	2.5 Appropriate medium is used to transfer information and ideas		
	3.1 Team meetings are attended on time and followed meeting		
	procedures and etiquette		
3. Participate in workplace meetings and discussions	3.2 Own opinions are expressed and listened to those of others		
	without interruption		
	3.3 Inputs are provided consistent with the meeting purpose and interpreted and implemented meeting outcomes		
	4.1 Responsibilities as a team member are demonstrated and		
4. Practice professional	kept promises and commitments made to others		
ethics at workplace	4.2 Tasks are performed in accordance with workplace		
	procedures		
	4.3 Confidentiality is respected and maintained		

	4.4	Situations and actions considered inappropriate or which
		present a conflict of interest are avoided
Range of Variables		
Variable	Range	(may include but not limited to):
	1.1	Effective questioning
1. Courteous Manner	1.2	Active listening
	1.3	Speaking skills
	2.1	Notes
	2.2	Agenda
	2.3	Simple reports such as progress and incident reports
	2.4	Job sheets
2. Workplace Procedures	2.5	Operational manuals
and Matters	2.6	Brochures and promotional material
	2.7	Visual and graphic materials
	2.8	Standards
	2.9	OSH information
	2.10	Signs
	3.1	HR Department
3. Appropriate Sources	3.2	Managers
	3.3	Supervisors

Evidence Guide

The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency

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	Assessment required evidence that the candidate:
	1.1 followed workplace code of conducts is as per
1. Critical Aspects of	organizational guidelines
Competency	1.2 maintained workplace documents as per standard
	1.3 followed workplace instructions and symbols
	1.4 followed and implemented meeting outcomes
2. Underpinning Knowledge	2.1 Workplace communication and etiquette
	2.2 Workplace documents, signs and symbols
	2.3 meeting procedure and etiquette
	3.1 Interpreting performance of workplace communication
	and etiquette
	3.2 Interpreting workplace instructions and symbol
3. Underpinning Skills	3.3 Interpreting workplace code of conducts is as per
	organizational guidelines
	3.4 Interpreting workplace documents as per standard
	3.5 Interpreting and implementing meeting outcomes

	4.1 Commitment to occupational health and safety
	•
	4.2 Promptness in carrying out activities
	4.3 Sincere and honest to duties
4. Underpinning Attitudes	4.4 Environmental concerns
4. Underpinning Attitudes	4.5 Eagerness to learn
	4.6 Tidiness and timeliness
	4.7 Respect for rights of peers and seniors in workplace
	4.8 Communication with peers and seniors in workplace
	The following resources must be provided:
5. Resource Implications	5.1 Relevant tools, Equipment, software and facilities needed
	to perform the activities.
	5.2 Required learning materials.
	Methods of assessment may include but not limited to:
	6.1 Written Test
6. Methods of Assessment	6.2 Demonstration
	6.3 Oral Questioning
	6.4 Portfolio
7. Context of Assessment	7.1 Competency assessment must be done in a training center
	or in an actual or simulated workplace after completion of
	the training module
	7.2 Assessment should be done by an NSDA certified/
	nominated assessor

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Sector Specific Unit of Competencies

Unit Code and Title	SU-AFP-02-L1-V1: Follow Quality and Food Safety Programs		
Unit Descriptor	This unit covers the knowledge, skills and attitudes required to follow food quality and safety programs in theworkplace. It includes the tasks of observing OSH practices, practicing personal hygiene and good grooming standards, following safe food handling and sanitation practices, monitoring quality of work outcome, identifying and acting on qualitydeficits and/or food safety hazards, maintaining cleanliness workplace and storing tools and equipment		
Nominal Hours	30 hours		
Elements of Competency	Performance Criteria Bold and Underlined terms are elaborated in the Range of Variable		
1. Observe OSH practices	 1.1 Housekeeping standards are maintained in the workplace following OSH requirements. 1.2 Personal hygiene is maintained and PPE worn asper OSH requirements. 1.3 Equipment is cleaned for production and hygiene requirements. 		
2. Practice personal hygiene and good grooming standards	 2.1. Personal hygiene and good grooming is practiced in line with workplace health and safety requirements. 2.2. Health conditions and/or illness are reported as required by the food safety program. 2.3. Clothing and footwear are worn appropriate for the food handling task and meets the requirements of the food safety program. 2.4. Movement around the workplace complied with the food safety program. 		
3. Follow safe food handling and sanitation practices	 3.1. Food handling requirements are identified. 3.2. Safe food handling practices are followed in line with workplace sanitation regulations and the foodsafety code. 3.3. The workplace is maintained in a clean and tidyorder to meet workplace standards. 		
4. Monitor quality of workoutcome	 4.1 Quality requirements are identified as per product 4.2 Inputs are inspected to confirm capability to meet quality requirements. 4.3 Work is conducted and monitored to produce required outcomes. 		
5. Identify and act on quality deficits and/or food safety hazards	 5.1 Processes, practices or conditions that are not consistent with quality standards or food safetyprogram are identified. 5.2 Quality variations and/or food safety hazards are rectified or removed as per workplace requirement 5.3 Quality variations and/or food safety outside the scope of 		

			individual responsibility are reported toappropriate personnel
6.	Maintain cleanliness	6.1	Work area, materials, equipment and product are routinely checked to ensure compliance with quality and/or food safety requirements.
	workplace and store	6.2	Workplace is cleaned as per requirement
	tools and equipment	6.3	Equipment are cleaned and stored as per workplace procedure
	1 1	6.4	5S housekeeping is followed as per workplace standard
	Range of Variable	es	
	Variable	Range	e (May include but not limited to)
		1.1	Take Regular shower.
		1.2	Wash your hands frequently.
		1.3	Maintain oral hygiene practices.
1.	Personal hygiene	1.4	Trim your nails and wash your hairs.
1.	i cisonai nygiene	1.5	Clean your nose and ears.
		1.6	Wear fresh and warm clothes.
		1.7	Food hygiene is important too
		1.8	Use sanitizer where necessary
		2.1	Apron
		2.2	Chef Jacket
		2.3	Hand Gloves
2.	PPE (Personal	2.4	Hair net
۷.	Protective (1 crsonar	2.5	Hair cap
	Equipment)	2.6	Face mask
		2.7	Safety shoe
		2.8	Shoe cover
		2.9	Ear plug
		2.10	Beard net
	Food handled and stored	3.1	Raw materials
		3.2	Ingredients
3.		3.3	Consumables
		3.4	Part-processed product
		3.5	Finished product
		3.6	Cleaning materials
	Processes, practices or conditions	4.1	Methods of receiving and storing food
		4.2	Food preparation
		4.3	Cooking
4.		4.4	Holding
		4.5	Cooling
		4.6	Chilling and reheating
		4.7	Packaging
		4.8	Disposal

	5.1	Texture
	5.2	Taste
	5.3	Color
	5.4	Flavor
5. Quality requirement	5.5	Appearance
3. Quanty requirement	5.6	Thickness
	5.7	Weight
	5.8	Moisture
	5.9	Baking time
	5.10	Temperature
	6.1	Failure to check delivery temperatures of potentially hazardous chilled food;
6. Food safety	6.2	Failure to place temperature-sensitive food in temperature-controlled storage conditions promptly
	6.3	Failure to wash hands when required
	6.4	Use of cloths for unsuitable purposes

Evidence Guide

The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.

-				
	Asse	Assessment required evidence that the candidate:		
	1.1	1 6		
		following OSH requirements.		
	1.2			
	0 1 3	requirements.		
1. Critical aspects	of 1.3	Cleaned Equipment and work place for production and hygiene requirements.		
competency	1.4			
		hazards within the level of responsibility		
	1.5	•		
	1.6	Identified and acted on quality deficits and/or food safety		
		hazards		
	2.1	Personal hygiene		
	2.2	Rules and regulations to produce quality and safety in food		
	2.3	Control measures for food safety		
2. Underpinning	2.4	Food safety hazards		
1	2.5	Cleaning, sanitation and waste storage and disposalpractices		
knowledge	2.6	Food safety procedures		
	2.7	Monitor quality of work outcome		
	2.8	Hazardous events		
	2.9	Job roles, responsibilities and compliance		

3.	Underpinning skill	3.2. 3.3. 3.4. 3.5. 3.6. 3.7. 3.8. 3.9.	
		4.1	Commitment to occupational health and safety
4.	Underpinning attitudes	4.2 4.3 4.4	Environmental concerns Eagerness to learn Tidiness and timeliness
		4.5	Respect for rights of peers and seniors in workplace
5.	Resource implications	5.1 5.2 5.3 4.6	Workplace equipment and facilities appropriate to processes or activity. Materials relevant to the proposed activity. Equipment and outfits appropriate in applying safety measures.
6.	Methods of assessment	6.1 6.2 6.3 6.4	Demonstration Oral questioning Written test Portfolio
7.	Context of assessment	7.1	Competency assessment must be done in a training center or in an actual or simulated workplace after completion of the training module. Assessment should be done by a NSDA certified/nominated assessor
1			

Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.

Unit Code and Title	SU-AI	FP-03-L1-V1: Work in the food Industry		
		init specifies the knowledge, skills and attitude required to fy roles and responsibilities and work in the food industry.		
Unit Descriptor	It includes the tasks of identifying job roles and responsibilities			
		foodindustry, identifying and observe OSH in the food		
	indust	ry, planning work activities and working with others		
Nominal Hours	20 ho			
Elements of Competency	Performance Criteria Bold and Underlined terms are elaborated in the Range of Variable			
1. Identify job roles andresponsibilities in	1.1	Job roles and responsibilities in the food industry are identified. Relationships within the food industry employees are		
the foodindustry		identified.		
2. Identify and observe OSH in the food industry.	2.1 2.2	PPE used in the food industry are identified andworn. Safe work practices are followed when using equipment in the work environment.		
3. Plan work activities	3.1. 3.2.	Common goals, objectives and tasks are identified and clarified with appropriate persons. Individual tasks are determined and agreed onaccording to workplace environment.		
4. Work with others	4.1	Effective interpersonal skills are applied to interact with others and to contribute to activities and objectives. Assigned tasks are performed in accordance with job requirements, Work requirements are confirmed with colleagues.		
Range of Variables				
Variable		Range (May Includes but not limited to)		
	1.1 1.2 1.3	Apron Chef Jacket Hand Gloves		
1. PPE	1.4 1.5 1.6 1.7 1.8 1.9	Hair net Hair cap Face mask Safety shoe Shoe cover Ear plug		
	1.10	Beard net		

	2.1	Basic listening and speaking skills
2. Effective interpersonal	2.2	Use of terminology and jargon
skills	2.3	Communicating and receiving feedback
	2.4	Interpretation of instructions,
	2.5	Interpretation basic principles of effective communication.
Evidence Guide		
		ic, valid, sufficient, reliable, consistent and recent and
meet therequirements of		surrent version of the Unit of Competency.
		ssment required evidence that the candidate:
	1.1	Followed work place rule and regulation.
1. Critical aspects of	1.2	Identified Common goals, objectives and tasks
competency	1.3	Determined Individual tasks
	1.4	Make a work plan
	1.5	Group forming and work with others.
	2.1	Positive attitudes for work others.
	2.2	Define own task
2. Underpinning	2.3	Food sector in Bangladesh
knowledge	2.4	Job opportunity
	2.5	Written and oral language communication
	2.6	OSH
	3.1	identifying task
2 Hadaminaina dell	3.2	communicating with co workers
3. Underpinning skill	3.3	communicating with supervisor
	3.4	writing report
	4.1	Commitment to occupational health and safety
4 77 1	4.2	Environmental concerns
4. Underpinning	4.3	Eagerness to learn
attitudes	4.4	Tidiness and timeliness
	4.5	Respect for rights of peers and seniors in workplace
	5.1	Workplace
	5.2	equipment and facilities appropriate to processes or
	0.2	activity.
	5.3	Stand by firefighting equipment
5. Resource	5.4	Materials relevant to the proposed activity.
implications	5.5	Equipment and outfits appropriate in applying safety
		measures.
	5.6	Relevant manuals, codes, standards and reference
	3.0	material.
	6.1	Workplace observation
	6.2	Demonstration
6. Methods of	6.3	Oral questioning
assessment	6.4	Written test
	6.5	Portfolio
	0.5	1 OLU OLU

7. Context of assessment		7.1 Competency assessment must be done in a training center				
	o C		or in an actual or simulated workplace after completion			
	OI		of the training module.			
		7.2	Assessment should be done by a NSDA			
			certified/nominated assessor			

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Occupation Specific Unit of Competencies

Unit Code and Title	OU-AFP-FQC-01-L3-V1: Inspect Quality of Raw		
Omit Code and Title	Materials, Ingredients and Packaging Materials		
Unit Descriptor	This unit covers the knowledge, skills and attitudes required to inspect quality of raw materials, ingredients and packaging materials. It specifically includes preparing for work, interpreting checking procedures of raw materials, ingredients and packaging materials, checking the quality of raw materials, ingredients and packaging materials, storing raw materials, ingredients and packaging		
	materials.		
Nominal Hours	60 Hours		
Elements of Competency	Performance criteria (Bold & underlined terms are elaborated in the Range of Variables)		
	1.1 OSH is followed and Personal Protective Equipment (PPE) is used.		
1. Prepare for work	1.2 Sample of raw materials, ingredients and packaging		
1. Troparo for work	materials are collected as per requirement		
	1.3 Quality testing instruments are identified and collected		
	1		
2. Interpret checking	2.1 Specification of raw materials, ingredients and packaging materials are identified.		
procedure of raw	2.2 Process of checking raw materials, ingredients and		
materials, ingredients	packaging materials are interpreted.		
and packaging materials.	2.3 Standard Operating Procedure (SOP) is followed.		
	3.1 Sample of raw materials, ingredients and packaging		
	materials are checked as per standard.		
3. Check the quality of	3.2 Non-conforming materials are identified and		
raw materials,	reported to respective personnel.		
ingredients and	3.3 <u>Check list</u> is maintained as per SOP		
packaging materials	3.4 Checklist/result is submitted to respective personnel.		
	3.5 Conforming materials are received as per standard procedure.		
	4.1 Storage condition are checked and adjusted as per Workplace instruction.		
4. Store raw	4.2 Raw materials, ingredients and packaging materials are		
materials,	kept in allocated area.		
ingredients and	4.3 Raw materials, ingredients and packaging materials are		
packaging materials	put on rack/Pallet/stacked as per Workplace instruction 4.4 Raw materials, ingredients and packaging materials are tagged.		

	4.5	Log sheet is maintained.	
	4.6	Workplace is cleaned as per workplace standards.	
Range of Variables			
Variable	Range (may include but not limited to):		
	1.1	Apron / Cotty	
	1.2	Gumboot	
	1.3	Safety shoes	
1.5	1.4	Mask	
1. Personal Protective	1.5	Hand Gloves	
Equipment (PPE)	1.6	Ear plug	
	1.7	Safety Goggles	
	1.8	Hair net (Beard net if required)	
	1.9	Cap	
	1.10	Shoe Cover	
	2.1	Wheat flour	
	2.2	Sugar	
	2.3	Fruit pulp	
	2.4	Salt	
	2.5	Oil and fat	
2. Raw materials	2.6	Egg	
	2.7	Corn flour	
	2.8	Rice flour	
	2.9	Butter	
	2.10	Milk powder	
	2.11	Margarine	
	2.12	Treated Water	
	3.1	Sweetening agents (Acesulfame-K, sodium	
		cyclamate, aspartame, sucralose)	
	3.2	Emulsifying agents	
	3.3	Carbon-di-oxide (CO2)	
	3.4	Preservatives (sodium benzoate, Potassium Meta-Bi-	
		Sulphate, potassium sorbet, calcium propionate)	
3. Ingredients	3.5	Thickening agents (Carboxymethyl Cellulose (CMC),	
3. Ingredients		Pectin, Xanthan gum, Gellan gum, Guar gum)	
	3.6	Acidity regulator (Citric Acid, Ascorbic Acid, Acetic	
		Acid, Malic Acid, Tartaric Acid)	
	3.7	Leavening agents (Yeast, rennet, culture, baking powder,	
		sodium bi carbonate, ammonium-bi-carbonate)	
	3.8	Food grade color (Beta carotene, sunset yellow,	
		tartrazine, purple sweet potato, egg yellow, red	
		orange, blood orange)	
	3.9	Food grade flavor (mango, lemon, strawberry, orange,	
		vanilla)	

	4.1	I shalling
	4.1	Labelling
		• Paper label
		Shrink label
		• Foils
4. Packaging materials		 Pouch
		 Paper sticker
	4.2	Packaging
		 PET bottle
		 Glass bottle
		 Jar
		Cap
		 Closure
		 Laminating paper
		 Shrink film
		 PP Bag
		 Paper carton
		 Paper tray
	5.1	pH meter
	5.2	TDS meter
	5.3	Refractometer
	5.4	Moisture analyzer
	5.5	Glucometer
	5.6	Micrometer
	5.7	Balance
	5.8	Thickness gauge
	5.9	GSM round cutter
	5.10	Bursting strength tester
	5.11	Height gauge
		Hygrometer
	5.13	Temperature meter
	5.14	Lactometer
	5.15	Hydrometer
		Picnometer
5. Quality testing		Viscometer
instrument		Vernier Calipers
		Weighing balance
		Drying Oven
		Muffle furnace
	5.22	Glassware
		Microbial (Autoclave, Incubator, Laminar air flow)

	6.1	Foreign particles
	6.2	High moisture content
	6.3	Low gluten
	6.4	Thickness variations
	6.5	Sensory deviations
	0.0	Taste
6. non-conforming		Odor
materials		 Appearance
	6.6	Extra burn
	6.7	Brix deviation
	6.8	Color deviation
	7.1	Incoming materials inspection checklist
7. Checklist	7.2	On process inspection checklist
7. Checklist	7.3	Finished goods inspection checklist
	8.1	Temperature
		 Room temperature
		 Chilling temperature
8. Storage condition		 Freezing temperature
6. Storage condition		 Incubation temperature
	8.2	Humidity
	8.3	Ventilation
	8.4	Light
Evidence Guide		
		alid, sufficient, reliable, consistent and recent and meet all
requirements of current ver		
	1.1	Prepared for work.
	1.2	Interpreted checking procedures of raw materials,
1. Critical aspects of	1.2	ingredients and packaging materials.
competency	1.3	Checked the quality of raw materials, ingredients and
	1 1	packaging materials.
	1.4	Stored raw materials, ingredients and packaging materials.
	1.1	OSH procedures.
	1.2	Types of raw materials, ingredients and packaging materials.
	1.3	Characteristics of raw materials, ingredients and packaging
	1.4	materials
	1.4	Functions of raw materials, ingredients and packaging
2. Underpinning	1.5	materials Metarials Sefety Data Shoot (MSDS)
knowledge	1.5	Materials Safety Data Sheet (MSDS)
	1.6	Quality standards.
	1.7	Standard Operating Procedure (SOP).
	1.8	Handling of Quality testing instruments
	1.9	Non-conforming materials
	1.10	Types of Check list
	1.11	Difine Storage condition

	3.1	Applying the techniques of checking raw materials,
		ingredients and packaging materials.
	3.2	Using Materials Safety Data Sheet (MSDS
	3.3	Applying the techniques of quality testing instruments
3. Underpinning skills	3.4	Applying the procees of identifying and reporting
	3.5	Maintaining checklist.
	3.6	Checking and adjusting skills
	3.7	Storing skills of raw materials, ingredients and packaging materials.
	4.1	Commitment to occupational health and safety.
	4.2	Promptness in carrying out activities.
	4.3	Sincere and honest to duties.
	4.4	Eagerness to learn.
4. Required attitudes	4.5	Tidiness and timeliness.
	4.6	Environmental concerns.
	4.7	Respect for rights of peers and seniors at workplace.
	4.8	Communication with peers and seniors at workplace.
	5.1	Workplace (actual or simulated).
	5.2	Tools, equipment and facilities appropriate to the
		process or activity.
	5.3	Materials relevant to the proposed activity.
5. Resource implications	5.4	Stand by firefighting equipment
1	5.5	Personal Protective Equipment (PPE)
	5.6	Information and documentation
	5.7	Manual, Codes, drawings, sketches, Standards and reference
		materials
	Metl	nods of assessment may include but not limited to:
	6.1	Written test
6. Method of assessment	6.2	Demonstration
	6.3	Oral Questioning
	6.4	Portfolio.
	7.1	Competency assessment must be done in a training center
		or in an actual or simulated workplace after completing of
7. Context of assessment		the training module.
	7.2	Assessment should be done by a suitably
		qualified/certified assessor.

Accreditation Requirements

Unit Code and Title	OU-AFP-QC-02-L3-V1: Inspect Quality of Food		
	Processing System		
	This unit covers the knowledge, skills and attitudes required to		
TT 1/2	inspect quality of food processing system.		
Unit Descriptor	It specifically includes preparing for work, checking quality of		
	processing materials, and inspecting equipment and production		
	area.		
Nominal Hours	50 Hours		
	Performance Criteria		
Elements of Competency	(Bold & underlined terms are elaborated in the Range of		
	Variables)		
	1.1 OSH is followed and Personal Protective Equipment		
	(PPE) is used.		
	1.2 Clean in Place (CIP)/Clean out Place (COP) is maintained to		
Prepare for work	ensure food safety and quality		
· · · · · · · · · · · · · · · · · · ·	1.3 line clearence for changeover is assured to avoid cross		
	contamination.		
	1.4 Specification of raw materials, ingredients and		
	packaging materials are ensured.		
	1.5 Checklist or recipe/batch cards is collected.		
	1.6 Food processing system is interpreted.		
	1.7 Special instruction on process system is received from		
	concern authority.		
	2.1 Quality of collected materials as per recipe/batch		
	cards is checked before processing.		
	2.2 Batch size is checked as per batch cards/recipe.		
2. Check quality of	2.3 Quantity of materials are arranged as per batch		
processing materials	standard		
	2.4 Process parameters are checked and tested for confirming		
	quality of process materials.		
	2.5 Batch preparation checklist is maintained as per SOP.		
	2.6 Checklist/result is submitted to respective personnel.		
	2.7 Necessary rectification is done to make conforming process		
	materials before reporting		
	2.8 Non-conforming materials are identified and report		
	accordingly.		
	3.1 Equipment and processing area are inspected to ensure		
3. Inspect equipment	cleaning and meet hygiene requirements as per Process		
and production area	Instruction (PI).		
	3.2 Waste is disposed according to the workplace procedure.		
Range of variables			
Variable	Range (may include but not limited to):		
	l		

	1.1	Volume
1. Batch size	1.2	Quantity
	2.1	Time
	2.2	Temperature,
	2.3	Pressure,
	2.4	Speed
2. Process parameters	2.5	Density
F	2.6	Viscosity
	2.7	RPM
	2.8	Brix
	3.1	Foreign particles
	3.2	High moisture content
	3.3	Low gluten
	3.4	Thickness variations
	3.5	Sensory deviations
3. Non-conforming		 Taste
materials		 Odor
		 Appearance
	3.6	Extra burn
	3.7	Brix deviation
	3.8	Color deviation
Evidence Guide		

Evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet all requirements of current version of Units of Competency.

104 minutes of control of competitions.		
	1.1	Prepared for work.
1. Critical aspects of	1.2	Inspected quality of processing materials.
competency	1.3	Inspected equipment and production area.
	2.1	Materials specification.
	2.2	Types of checklists.
2. Underpinning	2.3	Food processing system.
knowledge	2.4	Quality standards.
_	2.5	Waste disposal procedures.
	2.6	Batch size
	2.7	Process parameters
	2.8	Non-conforming process materials
	3.1	Applying the techniques of inspecting quality of
		collected materials
	3.2	Maintaining batch preparation checklist as per SOP.
3. Underpinning skills	g skills 3.3	Applying the techniques of Identifying and reporting non-
		conforming materials.
	3.4	Using the techniques of inspecting equipment and
		processing area.

	3.5	Presentation skills
	3.6	Applying skills of communicating
	3.7	Applying skills of literacy and numeracy
	3.8	Showing proactive positive attitude
	4.1	Commitment to occupational health and safety.
	4.2	Promptness in carrying out activities.
	4.3	Sincere and honest to duties.
A De guine d'attitude a	4.4	Environmental concerns.
4. Required attitudes	4.5	Eagerness to learn.
	4.6	Tidiness and timeliness.
	4.7	Respect for rights of peers and seniors in workplace.
	4.8	Communication with peers and seniors in workplace.
	5.1	Workplace (actual or simulated).
	5.2	Tools, equipment and facilities appropriate to the
		process or activity.
5. Resource implications	5.3	Materials relevant to the proposed activity.
	5.4	Stand by firefighting equipment
	5.5	Personal Protective Equipment (PPE)
	5.6	Information and documentation
	5.7	Manual, Codes, drawings, sketches, Standards and
		reference materials
	Meth	nods of assessment may include but not limited to:
	6.1	Written test.
	6.2	Demonstration.
6. Method of assessment	6.3	Oral questioning.
	6.4	Portfolio.
	7.1	Competency assessment must be done in a training center or in an
		actual or simulated workplace after completion of the training
7. Context of assessment		module.
7. Context of assessment	7.2	Assessment should be done by a suitably qualified/certified
		assessor.

Accreditation Requirements

Unit Code and Title	OP-AFP-QC-03-L3-V1: Control quality of Food Production System			
Unit Descriptor	This unit covers the knowledge, skills and attitudes required to inspect quality of food production system.			
	It specifically includes preparing for work, inspecting quality on production and inspecting equipment and production area.			
Nominal Hours	60 Hours			
Elements of Competency	Performance Criteria (Bold & underlined terms are elaborated in the Range of Variables)			
	1.1 OSH is followed and Personal Protective Equipment (PPE)			
	is used.			
1 D C 1	1.2 Clean in Place (CIP) / Clean out Place (COP) / Sterilization			
1. Prepare for work	in Place (SIP) of production machineries are confirmed.1.3 Food production process is interpreted.			
	1.3 Food production process is interpreted.1.4 Special instruction on production system is received form the			
	relevant person.			
	2.1 Production parameters are checked and tested to confirm			
	quality.			
	2.2 <u>Checklist</u> is maintained as per SOP.			
	2.3 Necessary rectification of noncorming products is done to make			
2. Control quality of	conforming before reporting.			
2. Control quality of product	2.4 Quality of product is ensured as per product standard			
product	2.5 Checklist is submitted to respective personnel.			
	2.6 Non-conforming products are identified and reported			
	accordingly.			
	3.1 Equipment and production area are inspected to meet			
3. Inspect equipment	with hygiene requirements as per Production Instruction			
and production	(PI).			
area	3.2 Waste is disposed of according to the workplace procedure.			
Range of Variables				
Variable	Range (may include but not limited to)			
	1.1 Time			
	1.2 Temperature			
	1.3 Color			
	1.4 Flavour			
1. Production parameters	1.5 Texture			
1	1.6 Taste			
	1.7 Appearance			
	1.8 Moisture			
	1.9 Water activity			
	1.10 pH			

	1.11 Acidity
	1.12 Specific gravity
	1.13 Density
	1.14 Brix
	1.15 Viscosity
	1.16 Hardness
	2.1 Checklist for Cooking
	2.2 Checklist for Baking
	2.3 Checklist for Pasteurization
	2.4 Checklist for Homogenization pressure
2. Checklist	2.5 Checklist for Drying
2. Checkingt	2.6 Checklist for Frying
	2.7 Checklist for Freezing
	2.8 Checklist for Cooling temperature,
	2.9 Checklist for Time and speed
	3.1 De-shaped
	3.2 Burnt
	3.3 Under baked/Cooked
	3.4 Over baked/Cooked
3. Non-conforming	3.5 Broken
products	3.6 Under weight
	3.7 Over weight
	3.8 Over moisture
	3.9 Leakage
	3.10 Unpleasant odor

The evidence must be authentic, valid, sufficient, reliable, consistent, and recent and meet all requirements of current version of the Units of Competency.

1.	Critical aspects of competency	1.1 1.2 1.3	Prepared for work. Inspected quality on production. Inspected equipment and production area.
		2.1	OSH procedures.
		2.2	Food production process.
	2. Underpinning knowledge	2.3	Quality standards.
2.		2.4	Standard Operation Procedures (SOP).
		2.5	Production parameters
		2.6	Define checklist
		2.7	Non-conforming products
		2.8	Waste disposal procedures.
		3.1	Applying techniques of checking and confirming production
3.	Underpinning skills		parameters.
		3.2	Maintaining checklist.

	 3.3 Applying the techniques of identifying non-conforming products and reporting accordingly. 3.4 Applying inspecting of equipment and production area. 3.5 Presentation skills 3.6 Applying skills of communicating 3.7 Applying skills of literacy and numeracy 3.8 Showing proactive positive attitude
4. Required attitudes	 4.1 Commitment to occupational health and safety. 4.2 Promptness in carrying out activities. 4.3 Sincere and honest to duties. 4.4 Environmental concerns. 4.5 Eagerness to learn. 4.6 Tidiness and timeliness. 4.7 Respect for rights of peers and seniors in workplace. 4.8 Communication with peers and seniors in workplace.
5. Resource implications	 5.1 Workplace (actual or simulated). 5.2 Tools, equipment and facilities appropriate to the process or activity. 5.3 Materials relevant to the proposed activity. 5.4 Stand by firefighting equipment 5.5 Personal Protective Equipment (PPE) 5.6 Information and documentation 5.7 Manual, Codes, drawings, sketches, Standards and reference materials
6. Methods of assessment	Methods of assessment may include but not limited to: 6.1 Written test. 6.2 Demonstration. 6.3 Oral questioning. 6.4 Portfolio.
7. Context for assessment	 7.1 Competency assessment must be done in a training center or in an actual or simulated workplace after completion of the training module. 7.2 Assessment should be done by a suitably qualified/certified assessor.

Accreditation Requirements

Un			AFP-QC-04-L3-V1: Inspect Quality of Packagings	
		Syste	em with Finished Products	
		This	unit covers the knowledge, skills and attitudes required to	
Un	it Descriptor	inspe	ect quality of packaging system.	
	it Descriptor	It sp	pecifically includes preparing for work, checking packaging	
		syste	m, inspecting finished goods, and equipment and production	
		area.		
Non	ninal Hours	60 H	Iours	
		Perf	ormance Criteria	
Ele	ements of Competency		d & underlined terms are elaborated in the Range of ables)	
		1.1	OSH is followed and Personal Protective Equipment	
			(PPE) is used.	
1	D C 1	1.2	Food packaging system is interpreted.	
1.	Prepare for work	1.3	Checklists for packaging parameters are collected.	
		1.4	Special instruction on packaging system is received if	
			required.	
		2.1	Special instruction on packaging system is ensured.	
		2.2	Packaging room conditions are checked and ensured to	
			continue work.	
		2.3	<u>Checklist for packaging</u> is maintained as per SOP.	
2	Chaolz noolzaging	2.4	Parameters of packaging products are checked and tested as	
2.	Check packaging system		per SOP to ensure quality	
	system	2.5	Necessary rectification of noncorming products is done to	
			make conforming before reporting	
		2.6	Checklist is submitted to respective personnel.	
		2.7	Non-conforming products are identified and reported	
			accordingly.	
		3.1	Finished goods are inspected according to specification to	
			ensure overall quality as per standard.	
		3.2	<u>Checklist for finished goods</u> is maintained as per SOP.	
		3.3	Necessary rectification of noncorming products is done to	
3.	Inspect finished	2.4	make conforming product before reporting	
	goods	3.4	Checklist is submitted to respective personnel.	
		3.5	Non-conforming products are identified and reported	
			accordinglyConfirming products are approved through QC	
		A 1	PASS.	
4.	Inspect	4.1	Equipment and packaging area are inspected to meet	
	equipment and	4.2	with hygiene requirements. Waste is disposed of according to the workplace procedure	
<u> </u>	production area	4.2	Waste is disposed of according to the workplace procedure. Peakets of finished products are checked on the basis	
5.	Maintain quality	5.1	Packets of finished products are checked on the basis	
	of products transportation	5.2	of quality parameter before loading Vehicle conditions are checked on the basis of food	
	uansportation	٤.∠	venicle conditions are checked on the basis of 1000	

		safety and hygiene principles for carrying finished			
		products to the customer door.			
	5.3	Packets are stacked following the safety precaution			
	5.4	5.4 Checklist for finished goods is maintained as per SOP.			
	5.5	Checklist is submitted to respective personnel.			
	5.6	Non-conforming products are identified and reported			
		accordingly.			
	5.7	Feedback of quality products is collected from the customer			
		to develop maintain quality.			
Range of variables					
Variable	Range (may include but not limited to):				
	1.1	Sealing temperature			
	1.2	Nitrogen content			
	1.3	CO ₂ volume			
	1.4	Filling temperature			
1 D 1	1.5	Wrapping size			
1. Packaging parameters	1.6	Wrapping temperature			
	1.7	Product weight			
	1.8	Product net content			
	1.9	Coding matter			
	1.10	Carton size			
	2.1	Room temperature			
2 D 11:	2.2	Humidity			
2. Room conditions	2.3	Ventilation			
	2.4	Lighting			
	3.1	CO2 volume			
	3.2	Wrapping size			
	3.3	Leak test			
3. Checklist for packaging	3.4	Product weight			
	3.5	Product net content			
	3.6	Coding matter			
	3.7	Carton size			
	3.8	Gross weight			
	2.0	Olobo Wolgin			

Stacking norms

3.9

	4.1	Chemical			
	4.1	Acidity			
		Actually Brix			
		• pH			
		•			
		ViscosityMoisture			
		Ash content			
		 Fat content			
4 (1 11 4 6 (1 1 1	4.2				
4. Checklist for finished	4.2	Physical Color			
goods		• Flavor			
		• Odor			
		- Texture			
	4.3	 Water activity Micro-biological 			
	4.3	Bacteria			
		• Yeast			
		• Mold			
	5.1	Coding missing			
	5.2	Leakage			
	5.3	Loose packet			
	5.4	Broken			
	5.5	Labeling missing			
	5.6	De-shaped			
	5.7	Burnt			
5. None Conforming	5.8	Under baked/Cooked			
products	5.9	Over baked/Cooked			
		Broken			
		Under weight			
		Over weight			
		Over moisture			
		Leakage			
		Unpleasant odor			
Evidence Guide	<u> </u>	-			
	, valid	, sufficient, reliable, consistent and recent and meet all			
requirements of current version of Units of Competency.					
	1.1	Prepared for work.			
	1.2	Ensured packaging system.			
1. Critical aspects of	1.3	Inspected finished goods.			
competency	1.4	Inspected equipment and production area.			
	1.5	Maintained quality of product transportation			

	2.1	Packaging parameters		
	2.1	Room conditions		
	2.2			
	2.3	Checklist for packaging Non-conforming products		
		Non-conforming products		
	2.5	Vehicle conditions		
2. Underpinning	2.6	OSH procedures.		
knowledge	2.7	Quality standards		
	2.8	Parameters of packaging products.		
	2.9	Checklist for finished goods.		
	2.10	Waste disposal procedures.		
	3.1	Applying the technics of checking and inspecting.		
	3.2	Identifying and reporting non-conforming products.		
	3.3	Using testing equipment		
	3.4	Presentation skills		
3. Underpinning skills	3.5	Applying skills of communicating		
5. Chacipining skins	3.6	Applying skills of literacy and numeracy		
	3.7	Showing proactive positive attitude		
	4.1	Commitment to occupational health and safety.		
	4.2	Promptness in carrying out activities.		
	4.3	Sincere and honest to duties.		
4. Required attitudes	4.4	Environmental concerns.		
	4.5	Eagerness to learn.		
	4.6	Tidiness and timeliness.		
-	4.7	Respect for rights of peers and seniors in workplace.		
	4.8	Communication with peers and seniors in workplace.		
	5.1	Workplace (actual or simulated).		
	5.2	Tools, equipment and facilities appropriate to the		
	3.2	process or activity.		
	5.3	Materials relevant to the proposed activity.		
	5.4	Stand by firefighting equipment		
5. Resource implications	5.5	Personal Protective Equipment (PPE)		
5. Resource implications	5.6	Information and documentation		
	5.7	Manual, Codes, drawings, sketches, Standards and		
	N # -1	reference materials		
		ods of assessment may include but not limited to:		
6. Method of assessment	6.1	Written test		
	6.2	Demonstration		
	6.3	Oral questioning		
	6.4	Portfolio.		
	7.1	Competency assessment must be done in a training center		
7. Context of assessment		or in an actual or simulated workplace after completion of		
		the training module.		
	7.2	Assessment should be done by a suitably qualified/certified		

assessor.

Accreditation Requirements

Validation of Competency Standard

The Competency Standards for National Skills Certificate Level-3 in Quality Controlis validated by NSDA on $30^{\rm th}$ October, 2023.

List of members in the validation workshop:

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