No. 1424   **10 December 2004**

SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)

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

Food

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

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the unit standards. The unit standards can be accessed via the SAQA web-site at **www.saqa.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 9 January 2005.* All correspondence should be marked **Standards Setting – SGB for Food Manufacturing** and addressed to

> The Director: Standards Setting and Development
> **SAQA**
> *Attention: Mr. D Mphuthing*
> Postnet Suite **248**
> Private Bag **X06**
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> **0145**
> or faxed to **012 – 431-5144**
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JOE SAMUELS
DIRECTOR: STANDARDS SETTING AND DEVELOPMENT

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 1

Mix or blend materials in a manufacturing environment

SAQA US ID	UNIT STANDARD TITLE			
117713	Mix or blend materials in a manufacturing environment			
SGB NAME		**ABET BAND**	**PROVIDER NAME**	
SGB Food		Undefined		
FIELD DESCRIPTION		**SUBFIELD DESCRIPTION**		
Manufacturing, Engineering and Technology		Manufacturing and Assembly		
UNIT STANDARD CODE	**UNIT STANDARD TYPE**	**NQF LEVEL**		**CREDITS**
MET-MNA-O-SGB FD	[Regular	Level 2		8

Specific Outcomes:

SPECIFIC OUTCOME 1

Demonstrate an understanding of the role of mixing or blending in a manufacturing environment.

SPECIFIC OUTCOME 2

Prepare for mixing or blending of materials.

SPECIFIC OUTCOME 3

Mix or blend materials.

SPECIFIC OUTCOME 4

Perform end-of-mixing or blending procedures.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: **2**

Clean and sanitise a manufacturing or processing system using cleaning-in-place (CIP)

SAQA US ID	UNIT STANDARD TITLE				
117720	Clean and sanitise a manufacturing or processing system using cleaning-in-place **(CIP)**				
SGB NAME			**ABET BAND**	**PROVIDER NAME**	
SGB **Food**			Undefined		
FIELD DESCRIPTION			**SUBFIELD DESCRIPTION**		
Manufacturing, Engineering and Technology			Manufacturing and Assembly		
UNIT STANDARD CODE	**UNIT STANDARD TYPE**		**NQF LEVEL**		**CREDITS**
MET-MNA-O-SGB FD	Regular		Level **2**		5

SDecific Outcomes:

SPECIFIC OUTCOME 1

Demonstrate knowledge of cleaning-in-place systems.

SPECIFIC OUTCOME 2

Prepare **to** clean and sanitise a manufacturing **or** processing system.

SPECIFIC OUTCOME 3

Clean and sanitise a manufacturing **or** processing system.

SPECIFIC OUTCOME 4

Perform end of cleaning-in-place procedures.

QUALIFICATIONS

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

Established in terms of Act 58 of 1995

UNIT STANDARD:

Demonstrate an understanding of basic machine operations in a manufacturing and or packaging environment

SAQA US ID	UNIT STANDARD TITLE			
12315	Demonstrate an understanding of basic machine operations in a manufacturing and or packaging environment			

SGB NAME		ABET BAND	PROVIDER NAME	
SGB Food		Undefined		

FIELD DESCRIPTION		ISUSFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		(Manufacturing and Assembly	

UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-MNA-O-SGB MAP	Regular	Level 3	7

Specific Outcomes:

SPECIFIC OUTCOME 1

Demonstrate an understanding of machine operations.

SPECIFIC OUTCOME 2

Demonstrate an understanding of the start-up procedures of a process machine.

SPECIFIC OUTCOME 3

Demonstrate an understanding **of** adjustments made **to** a process machine while in operation.

SPECIFIC OUTCOME 4

Demonstrate an understanding **of** the shut-down procedures of a process machine.

SPECIFIC OUTCOME 5

Demonstrate an understanding **of** production documentation.

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UNIT STANDARD: *2*

Identify computerised systems in a manufacturing or processing system

SAQA US ID	UNIT STANDARD TITLE			
12258	Identify computerised systems in a manufacturing or processing system			
SGB NAME		ABET BAND	PROVIDER NAME	
SGB Food		Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION		
Manufacturing, Engineering and Technology		Manufacturing and Assembly		
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL		CREDITS
MET-MNA-0-SGB **DT**	Regular	Level 2		7

Specific Outcomes:

SPECIFIC OUTCOME **1**

Demonstrate understanding of computerised systems in a manufacturing or processing environment.

SPECIFIC OUTCOME **2**

Identify and use programmable logic controllers.

SPECIFIC OUTCOME **3**

Identify and use a computer system that controls automated processes.

SPECIFIC OUTCOME **4**

Identify and use man machine interface.