

GOVERNMENT NOTICES

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

No. 923

5 October 2007



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

Mining and Minerals

registered by Organising Field 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 full 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, SAQA House, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the Unit Standards should reach SAQA at the address below and **no later than 5 November 2007**. All correspondence should be marked **Standards Setting – Mining and Minerals** and addressed to

The Director: Standards Setting and Development
SAQA
Attention: Mr. D. Mphuthing
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PP

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SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Work in mineral product silos and bins for operational or maintenance purposes***

SAQA US ID	UNIT STANDARD TITLE		
252234	Work in mineral product silos and bins for operational or maintenance purposes		
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD		SUBFIELD	
6 - Manufacturing, Engineering and Technology		Fabrication and Extraction	
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 2	3

SPECIFIC OUTCOME 1

Demonstrate an understanding of working in mineral product bins and silos.

SPECIFIC OUTCOME 2

Prepare to work in bins and silos.

SPECIFIC OUTCOME 3

Work in mineral product bins and silos.

SPECIFIC OUTCOME 4

Finalise working in mineral product bins and silos.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:**Analyse and interpret mineralogical composition of cement and clinker**

SAQA US ID	UNIT STANDARD TITLE		
252235	Analyse and interpret mineralogical composition of cement and clinker		
ORIGINATOR			PROVIDER
SGB Mining and Minerals			
FIELD			SUBFIELD
6 - Manufacturing, Engineering and Technology			Engineering and Related Design
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 5	10

SPECIFIC OUTCOME 1

Demonstrate an understanding of the mineralogical composition of cements and clinkers and the methods used for analysis.

SPECIFIC OUTCOME 2

The preparation and presentation of the samples of cement/clinker is carried out according to approved methods.

SPECIFIC OUTCOME 3

The analysis of the samples of cement/clinker is carried out in accordance with approved methods.

SPECIFIC OUTCOME 4

The interpretation of the mineralogical composition of the samples is performed.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:***Perform standard cement/lime industry wet chemical analysis***

SAQA US ID	UNIT STANDARD TITLE		
252236	Perform standard cement/lime industry wet chemical analysis		
ORIGINATOR		PROVIDER	
SGB Mining and Minerals			
FIELD	SUBFIELD		
6 - Manufacturing, Engineering and Technology	Engineering and Related Design		
ABET BAND	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	17

SPECIFIC OUTCOME 1

Explain the principles related to wet chemical analysis.

SPECIFIC OUTCOME 2

Prepare for analysis.

SPECIFIC OUTCOME 3

Conduct wet chemical analysis.

SPECIFIC OUTCOME 4

Interpret and report analysis results.

SPECIFIC OUTCOME 5

Follow basic health and safety practices during wet chemical analysis.

QUALIFICATIONS UTILISING THIS UNIT STANDARD

None