

# CERTIFICATE OF ACCREDITATION

## CIVIL ENGINEERING LABORATORY (PTY) LTD, LESOTHO

*Company Registration No.58538*

**Facility Accreditation Number: TEST-3 0006**

is a SADCAS accredited Testing Laboratory  
provided that all SADCAS conditions are complied with

This certificate is valid as per the scope stated in the accompanying schedule of accreditation,  
Annexure "A", bearing the above accreditation number for

### CIVIL ENGINEERING

*The facility is accredited in accordance with the recognized International Standard*

### ISO/IEC 17025:2017

*The accreditation demonstrates technical competency for a defined scope and the operation  
of a laboratory quality management system*

*SADCAS is a subsidiarity organization of SADC. A memorandum of understanding between SADC and  
SADCAS serves as the basis for the recognition of SADCAS by SADC Member States  
as a multi-economy accreditation body*

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**Mrs Maureen P Mutasa**  
**SADCAS Chief Executive Officer**

**Effective Date (Issue No: 1): 23 January 2020**

**Certificate Expires: 22 January 2025**

## ANNEXURE A

### SCHEDULE OF ACCREDITATION

#### CIVIL ENGINEERING

Laboratory Accreditation Number: **TEST-3 0006 (ISO/IEC 17025:2017)**

<p><b><u>Permanent Address of Laboratory</u></b> Civil Engineering Laboratory (Pty) Ltd Kofi Annan Road Next to Masowe Circle Ha Tsolo Maseru Lesotho</p> <p><b><u>Postal Address</u></b> Private Bag 2041 Maseru West 0105 Lesotho</p> <p><b><u>Tel</u></b> : +266 628 55899 <b><u>Cell</u></b> : +266 628 85599 <b><u>Email</u></b> : <a href="mailto:tsoeujm@hotmail.com">tsoeujm@hotmail.com</a></p>		<p><b><u>Technical Signatories</u></b> Mr T J Mokaloba (All methods, except SANS 5865 &amp; 1215) Mr L M Motseko (All methods, except SANS 5865 &amp; 1215) Mr M Ramphalla (GR10 and GR12) Ms T Motsomi (AG10, AG21, AG1, AG4, PR5, SANS 5832 &amp; 5845) Ms L Khati (GR3) Mr M Mohapi (GR31, GR30, GR20, GR40 &amp; SANS 227)</p> <p><b><u>Nominated Representative</u></b> : Mr T J Mokaloba</p> <p><b><u>Issue No</u></b> : 02 <b><u>Date of Issue</u></b> : 08 April 2023 <b><u>Expiry Date</u></b> : 22 January 2025</p>
<b>MATERIALS/PRODUCTS TESTED</b>	<b>TYPES OF TESTS/ PROPERTIES MEASURED, RANGE OF MEASUREMENT</b>	<b>STANDARD SPECIFICATIONS, EQUIPMENT/ TECHNIQUES USED</b>
Clay Bricks	Burnt Clay Masonry	SANS 227: 2007
Soils and Gravels	Plasticity Index of Soils and Gravels by One-Point Method (Atterberg Limits)	SANS 3001: GR10
	Wet Preparation and Particle Size Analysis	TMH1-A1/ SANS 3001:GR1
	Maximum Dry Density and Optimum Moisture Content	TMH1-H7/ SANS 3001:GR30
	California Bearing Ratio (CBR)	TMH1-A8/SANS 3001:GR40
	Determination of In-situ Densities Using Nuclear Gauge	TMH-10b/ SANS 3001:NG 5
	Particle Size Analysis of Material Smaller than 2mm (Hydrometer Method)	SANS 3001 GR3 : 2014
	Determination of Flow Curve Liquid Limit	SANS 3001 GR12: 2013
	Computation of soil-mortar Percentages, Coarse Sand Ratio, Grading, Modulus & Fineness Modules	SANS 3001 PR5: 2011

## ANNEXURE A

Laboratory Accreditation No: TEST-3 0006 (ISO/IEC 17025:2017)

Issue No: 02

Date of Issue: 08 April 2023

Date of Expiry: 22 January 2025

MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/ PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/ TECHNIQUES USED
Soils and Gravel	Determination of the Maximum Dry Density & optimum moisture content of laboratory mixed cementitious stabilized materials	SANS 3001 – GR31:2015
Concrete	Consistency of freshly made concrete	SANS 5862-1
	Making and curing of test specimens	SANS 5861-3
	Compression Strength of concrete cubes	SANS 5863
	Compression Strength of concrete cores	SANS 5865: 1994
Aggregates	Concrete Masonry units	SANS 1215: 2008
	Particle Size Analysis of aggregates by Sieving	SANS 3001 - AG1: 2014
	Determination of the Flakiness Index of Coarse Aggregates	SANS 3001 – AG4: 2015
	Fineness Modulus	SANS 3001 – PR5: 2011
	Bulk Density of Aggregates	SANS 5845: 2006
	Aggregate Crushing Value	SANS 3001 – AG10: 2012
	10 % Fact	SANS 3001 – AG10: 2012
Particle and Relative Density of Aggregates	SANS 5844: 2014	
Water Absorption of Aggregates	SABS SM 843* Edition 2002 & SANS 3001 - AG 21: 2014	

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Aggregates	Organic Impurities in Fine Aggregates (Limit Test)  Determination of Bulk Density, Apparent Density and Water Absorption of Aggregate Particles on 5mm Sieve for Road Construction Materials	SANS 5832: 2006  SANS 3001 – AG20: 2014

Original date of accreditation: 23 January 2020

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**Pinkie J Malebe**  
**SADCAS Technical Manager**