

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*

Eve C Gadzikwa
SADCAS Chief Executive Officer

Date of Renewal of Accreditation 28 October 2024

Effective Date (Issue No: 1): 23 January 2025

Certificate Expires: 22 January 2030

ANNEXURE A
SCHEDULE OF ACCREDITATION
CIVIL ENGINEERING

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

<p><u>Permanent Address of Laboratory</u> Civil Engineering Laboratory (Pty) Ltd Kofi Annan Road Next to Masowe Circle, Ha Tsolo Maseru Lesotho</p> <p><u>Postal Address</u> Private Bag 2041 Maseru West 0105 Lesotho</p> <p><u>Tel</u> : +266 628 55899 <u>Cell</u> : +266 628 85599 <u>Email</u> : tsoeujm@hotmail.com</p>	<p><u>Technical Signatories</u> : Mr T J Mokaloba (All methods)</p> <p><u>Nominated Representative</u> : Mr T J Mokaloba</p> <p><u>Issue No</u> : 01 <u>Date of Issue</u> : 23 January 2025 <u>Expiry Date</u> : 22 January 2030</p>	
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/ PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/ TECHNIQUES USED
Burnt Clay Masonry Units	Section 6.6 - Compressive Strength Test Section 6.9 - Water Absorption Test	SANS 227: 2007
Soils and Gravels	Plasticity Index of Soils and Gravels by One-Point Method (Atterberg Limits)	SANS 3001: GR 10
	Wet Preparation and Particle Size Analysis	SANS 3001: GR1
	Maximum Dry Density and Optimum Moisture Content	SANS 3001: GR30
	California Bearing Ratio (CBR)	SANS 3001: GR 40
	Determination of In-situ Densities Using Nuclear Gauge	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: 01

Date of Issue: 23 January 2025

Date of Expiry: 22 January 2030

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
Aggregates	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/ 10% Fact Value on Aggregate	SANS 3001 – AG10: 2012
	Particle and Relative Density of Aggregates	SANS 5844: 2014
	Water Absorption of Aggregates	SANS 3001: AG 21: 2014
	Organic Impurities in Fine Aggregates (Limit Test)	SANS 5832: 2006
	Determination of Bulk Density, Apparent Density and Water Absorption of Aggregate Particles on 5mm Sieve for Road Construction Materials	SANS 3001 – AG20: 2014

Original date of accreditation: 23 January 2020

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Pinkie J Malebe
SADCAS Technical Manager