

CERTIFICATE OF ACCREDITATION

BOTSWANA BUREAU OF STANDARDS (TESTING)

Established by Act of Parliament: The Standards Act of 1995

Facility Accreditation Number: TEST-3 0001

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*

Mrs Maureen P Mutasa
SADCAS Chief Executive Officer

Date of Renewal of Accreditation: 08 May 2021
Effective Date (Issue No: 01): 08 May 2021
Certificate Expires: 07 May 2026

ANNEXURE A
SCHEDULE OF ACCREDITATION
CIVIL ENGINEERING

Laboratory Accreditation Number: TEST-3 0001 (ISO/IEC 17025:2017)

<p>Permanent Address of Laboratory: Botswana Bureau of Standards Plot No.55745, Main Airport Road Block 8 Gaborone Botswana</p> <p>Postal Address Private Bag BO48 Gaborone Botswana</p> <p>Tel : +267 390 3200/364 5632 Cell : +267 71 846 624 Fax : +267 390 3120 Email : saokonga@bobstandards.bw</p>		<p>Technical Signatories : Ms G Motukwa (All methods) Ms K Malungwa (All methods)</p> <p>Management Signatory : Mr P Masunga</p> <p>Nominated Representative : Ms A Ramaselwane</p> <p>Issue No : 03 Date of Issue : 19 May 2023 Expiry Date : 07 May 2026</p>
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
Burnt Clay Bricks	Compressive Strength	BOS 28:2016 Clause 7.6 using Toni Technik Compressive Tester
	Cold Water Absorption	BOS 28:2000 Clause 7.9
Concrete Masonry Units	Compressive Strength	BOS 27:2000 Clause 6.5 using Toni Technik Compressive Tester
Concrete Kerbs	Transverse Strength	BOS 103:2011 Clause 7.3 using Toni Technik Compressive Tester
Concrete Paving Blocks	Tensile Splitting Strength	BOS 29: 2016 Clause 6.4 using Toni Technik Compressive Tester
	Water Absorption	BOS 29: 2016 Clause 6.6
Cement	Consistency of Cement	BOS EN 197-1: 2011 (EN 196-3) Using Toni Technik Apparatus
	Setting Time of Cement	BOS EN 197-1: 2011 (EN 196-3) Using Toni Technik Apparatus

ANNEXURE A

Laboratory Accreditation No: TEST-3 0001 (ISO/IEC 17025:2017)

Issue No: 03

Date of Issue: 19 May 2023

Date of Expiry: 07 May 2026

MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
Cement	<p>Soundness of Cement</p> <p>Compressive Strength of Cement</p>	<p>BOS EN 197-1: 2011 (EN 196-3) Using Toni Technik Apparatus</p> <p>BOS EN 197-1: 2011 (EN 196-1) Using Toni Technik Apparatus</p>

Original date of accreditation: 11 May 2016

Page 2 of 2

Pinkie J Malebe
SADCAS Technical Manager