

CERTIFICATE OF ACCREDITATION

In terms of section 22(2) (b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

PHEZULU GEOTECHNICAL CIVIL CC

Co. Reg. No.: 2011/005646/23

NELSPRUIT

Facility Accreditation Number: **T1048**

is a South African National Accreditation System accredited facility
provided that all conditions and requirements are complied with

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

CIVIL ENGINEERING TESTING

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2017

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

While this certificate remains valid, the Accredited Facility named above is authorised to
use the relevant accreditation symbol to issue facility reports and/or certificates

Mr T Baleni

Acting Chief Executive Officer

Effective Date: 24 August 2023

Certificate Expires: 23 August 2028

ANNEXURE A

SCHEDULE OF ACCREDITATION

Facility Number: **T1048**

Permanent Address of Laboratory:

Phezulu Geotechnical Civil CC
Central Park Unit 57
12 Suikerriet Street
Nelspruit
1200

Postal Address:

PO Box 1766
Mpumalanga
1200

Tel: (013) 004 0119**Fax:****E-mail:** kulaniam@yahoo.com**Cell No:** 071 897 3005**Technical Signatories:**

Mr XR Nhlabathi

Nominated Representative:

Mr KA Maluleke

Issue No.: 02**Date of Issue:** 27 November 2025**Expiry Date:** 23 August 2028

Materials / Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
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Soils, Sand and Gravels

Wet preparation and particle size analysis	SANS 3001 - GR1:2022
Dry preparation and dry particle size analysis of gravels and sands	SANS 3001 - GR2:2022
Particle size analysis of materials smaller than 2mm (Hydrometer method)	SANS 3001 - GR3:2022
Wet preparation and air-drying of samples for plasticity index and hydrometer	SANS 3001 - GR5:2022
Determination of the one-point liquid limit, plastic limit, plasticity index and shrinkage	SANS 3001 - GR10:2013
Determination of the liquid limit with the two-point method	SANS 3001 - GR11:2013
Determination of maximum dry density and optimum moisture content	SANS 3001 - GR30:2024
Determination of the maximum dry density and optimum moisture content of laboratory mixed cementitiously stabilised materials	SANS 3001 - GR31:2022
Determination of the California Bearing Ratio	SANS 3001 - GR40:2023
Preparation, compaction and curing of specimens of laboratory mixed cementitiously stabilised materials	SANS 3001 - GR50:2023

Aggregate	Determination of the unconfined compressive strength of compacted and cured specimens of cementitiously stabilised materials	SANS 3001 - GR53:2023
	Determination of the indirect tensile strength of compacted and cured specimens of cementitiously stabilised materials	SANS 3001 - GR54:2023
	Determination of the in-situ density using nuclear gauge	SANS 3001 - NG5:2022
	Particle size analysis of the aggregates sieving	SANS 3001 - AG1:2014
	Determination of the flakiness index of coarse aggregate	SANS 3001 - AG4: 2023
Concrete	ACV (Aggregate Crushing Value) and 10% FACT (Fines Aggregate Crushing Test) value of coarse aggregates	SANS 3001 - AG10:2012
	Apparent density of crushed stone base	SANS 3001 - AG22: 2012
	Mixing fresh concrete in the Laboratory	SANS 5861-1:2006
	Making and curing of test specimens	SANS 5861-3:2006
Sampling	Consistence of freshly mixed concrete Slump test	SANS 5862-1:2006
	Compressive strength of hardened concrete	SANS 5863:2006
	Sample by freshly mixed concrete	TMH5 MB9:1981/SABITA Manual 37
	Sampling from sampling Pit in Natural Gravel, Soil and Sand	THM5 MA2: 1981/SABITA Manual 37
	Soil & Aggregates from Stockpiles	TMH5 MB1: 1981/SABITA Manual 37
	Sampling of road pavement layers	THM5 MC1:1981/SABITA Manual 37
	Division of a sample using the riffler	TMH5 MD1:1981/SABITA Manual 37
	Division of a sample by quartering	TMH5 MD2: 1981/ SABITA Manual 37

Original Date of Accreditation: 24 August 2023

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager