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:-

SNALAB
A DIVISION OF SNA CIVIL AND
STRUCTURAL ENGINEERS (PTY) LTD

Co. Reg. No.: 2005/006128/07

Facility Accreditation Number: **T0345**

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 M Phaloane
Acting Chief Executive Officer

Effective Date: 01 June 2021
Certificate Expires: 31 May 2026

ANNEXURE A

SCHEDULE OF ACCREDITATION

Facility Number: **T0345**

Permanent Address of Laboratory:

SNALAB A Division of SNA Civil and Structural Engineers (Pty) Ltd
191 Vonkrop Road
Samcor Park
Pretoria
0184

Technical Signatories:

Mr HP Diederiks
Ms G Potgieter(SANS 5832, SANS 5845, SANS 3001, AG1,AG2, AG4,AS1,AS2, AS11, SANS 3001 AS20, ASTM D5, D36, SANS 5861-(1-2-3), SANS 5862-1, SANS 5863, SANS 3001, NG5, GR1,GR2 GR5,GR10,GR20,GR30,,GR31,GR40, GR50, GR51,GR53,GR54, TMH5 MD1, MD2)

Postal Address:

PO Box 72727
Pretoria
0040

Nominated Representative:

Mr HP Diederiks

Tel: (012) 751-9388
Fax: (012) 803-4429
E-mail: diederiks.h@sna.co.za

Issue No.: 18
Date of Issue: 24 February 2023
Expiry Date: 31 May 2026

Materials / Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
Aggregates	Organic Impurities In Fine Aggregates	SANS 5832
	Bulk density of coarse and fine aggregates	SANS 5845
	Partial size analysis of aggregates by sieving	SANS 3001-AG 1
	Determination of the average least dimension of aggregates by direct measurement	SANS 3001-AG 2
	Determination of the flakiness index of coarse aggregates	SANS 3001-AG 4
	ACV and 10% FACT values of coarse aggregates	SANS 3001-AG 10
	Determination of rock durability using 10% FACT values after soaking in ethylene glycol	SANS 3001-AG 15
	Determination of the bulk density, apparent density and water absorption of aggregate particles retained on the 5mm sieve for road materials	SANS 3001-AG 20
	Determination of the bulk density, apparent density and water absorption of aggregate particles passing the 5mm sieve for road materials	SANS 3001-AG 21
	Apparent Density of Crushed Stone Base	SANS 3001-AG 22

Asphalt	Making of asphalt briquettes for Marshall tests and other specialized tests	SANS 3001-AS1
	Determination of Marshall stability, flow and quotient	SANS 3001-AS2
	Determination of bulk density and void content of compacted asphalt	SANS 3001-AS10
	Determination of the maximum void-less density of asphalt mixes and the quantity of binder absorbed by the aggregate	SANS 3001-AS11
	Determination of the soluble binder content and particle size analysis of an asphalt mix	SANS 3001-AS20
Bitumens	Penetration of Bitumen Materials	ASTM D5
	Ball Penetration Resilience	TG1-MB10
	Bitumen Rubber Standard Test for Softening Point (Ring & Ball Apparatus)	ASTM D36
	Determination of Compression Recovery	TG1-MB11
	Determining the flow characteristic	TG1-MB12
	Ball penetration test for the design of surfacing seals	SANS 3001-BT10
	Texture depth measurement for the design of surfacing seals	SANS 3001-BT11
Concrete	Mixing fresh concrete in the laboratory	SANS 5861-1
	Sampling of fresh mixed concrete	SANS 5861-2
	Making and curing of test specimens	SANS 5861-3
	The determination of the slump of freshly mixed concrete	SANS 5862-1
	Compressive strength of hardened concrete	SANS 5863
	Drilling, Preparation and Testing Strength of Cores taken from Hardened Concrete	SANS 5865
	The determination of the in-place dry density and moisture content of soils and gravel's by nuclear methods	SANS 3001: NG5
	Cement or lime content (EDTA) of stabilised materials	TMH 1 A 15(a)
	The electronic determination of the PH value of soil suspension	TMH 1 Method A20
	The method for the determination of the conductivity of a saturated soil paste and water	TMH 1 Method A21T
Soils and gravels	Wet preparation and particle size analysis	SANS 3001-GR1
	Dry preparation and dry particle size analysis	SANS 3001-GR2
	Wet preparation of samples for plasticity index and hydrometers	SANS 3001-GR5
	Determination of the one-point liquid limit, plastic limit, plasticity	SANS 3001-GR10

	index and linear shrinkage	
	Determination of moisture content by oven-drying	SANS 3001-GR20
	Determination of the maximum dry density and optimum moisture content	SANS 3001-GR30
	Determination of the maximum dry density and optimum moisture content of laboratory mixed cementitiously stabilised materials	SANS 3001-GR31
	Determination of the California bearing ratio	SANS 3001-GR40
	Preparation, compaction and curing of specimens of laboratory mixed cementitiously stabilised materials	SANS 3001-GR50
	Sampling, preparation, compaction and curing of freshly mixed field cementitiously stabilised materials including determination of maximum dry density and optimum moisture content	SANS 3001-GR51
	Determine the unconfined compression strength of compacted and cured specimens of cementitiously stabilised materials	SANS 3001-GR53
	Determination of the indirect tensile strength of compacted and cured specimens of cementitiously stabilised materials	SANS 3001-GR54
	Determination of the initial stabilizer consumption of soils and gravels	SANS 3001-GR57
Sampling	Sampling from Sampling Pit in Natural Gravel, Soil and Sand	TMH 5 MA 2
	Sampling from Stockpiles	TMH 5 MB 1
	Sampling of Treated Pavement Layers	TMH 5 MB 10
	Sampling of Road Pavement Layers	TMH 5 MC 1
	Sampling of Asphalt or Concrete from completed layer or structure	TMH 5 MC 2
	Division of sample using the rifler	TMH 5 MD 1
	Division of a Sample by Quartering	TMH 5 MD 2

Original Date of Accreditation: 01 June 2007

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager