



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:-

**SIMLAB (PTY) LTD
GEOTECHNICAL SERVICES
Co. Reg No: 1987/004282/07
BLOEMFONTEIN**

Facility Accreditation Number: **T0455**

is a South African National Accreditation System accredited Testing Laboratory provided that all SANAS 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 17025:2005

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

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

Dr E.J. Steyn
Acting Chief Executive Officer

Effective Date: 27 August 2015
Certificate Expires: 26 August 2020



ANNEXURE A
SCHEDULE OF ACCREDITATION

Facility Number: **T0455**

Permanent Address of Laboratory:

Simlab (Pty) Ltd- Geotechnical Services
 CNR Lunn Road and Grey Street
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 Bloemfontein
 9301

Technical Signatories:

Mr BJ van Vuuren
 Mr FJ Coetser
 Mr WT Hitge (SANS 3001-GR20, B6,B9,
 TMH1-E1/ASTM D5-06, TMH5-MB4,MB7,
 MC1,MC2,MD2)
 Mr GP van der Walt (SANS 3001-GR20,B6,B9,
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 Mr DJ Coetzee
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 9300

Nominated Representative:

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Issue No.: 07

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Date of Issue: 10 April 2018

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Expiry Date: 26 August 2020

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Materials / Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
SOILS	Determination of the in-place density and moisture content of soils and gravels by nuclear methods	TMH1 A10 (b)
	Wet preparation and particle size analysis	SANS 3001-GR1
	Determination of the one-point liquid limit, plastic limit, plasticity index and linear shrinkage	SANS 3001-GR10
	Determination of the 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 stabilized materials	SANS 3001-GR31
	Determination of the california bearing ratio	SANS 3001-GR40
	Preparation, compaction and curing of specimens of laboratory mixed cementitiously stabilized materials	SANS 3001-GR50

	Sampling, preparation, compaction and curing of field mixed freshly cementitiously stabilized materials including the determination of the maximum dry density and optimum moisture content	SANS 3001-GR51
	Determination of the unconfined compressive strength of compacted and cured specimens of cementitiously stabilized materials	SANS 3001-GR53
	Determination of the indirect tensile strength of compacted and cured specimens of cementitiously stabilized materials	SANS 3001-GR54
AGGREGATE	The determination of organic impurities in sand for concrete	TMH1 B6
	The determination of the bulk density of coarse and fine aggregate	TMH1 B9
	Particle size analysis of aggregates by sieving	SANS 3001-AG1
	Determination of the average least dimension of aggregates by direct measurement	SANS 3001-AG2
	Determination of the flakiness index of coarse aggregate	SANS 3001-AG4
	Sand equivalent value of fine aggregates	SANS 3001-AG5
	ACV (aggregate crushing value) and 10 % FACT (fines aggregate crushing test) values of coarse aggregates	SANS 3001-AG10
	Apparent density of crushed stone base	SANS 3001-AG22
ASPHALT	The determination of the resistance to flow of a cylindrical briquette of a bituminous mixture by means of the Marshall apparatus	TMH1 C2
	Procedure for the making of asphalt specimens for the determination of resistance to flow and voids analysis by the Marshall method	TMH1 C2 Appendix
	The determination of the bulk relative density of a compacted bituminous mixture and the calculation of the voids content	TMH1 C3
	The determination of the maximum theoretical relative density of asphalt mixes (Rice's method)	TMH1 C4 (a)

	The determination of the binder content of a bituminous mixture (indirect method)	TMH1 C7 (b)
	The determination of the static indirect tensile strength of a cylindrical briquette of a bituminous mixture	TMH1 C9 (a) T/ASTM4123
BITUMEN, BITUMEN EMULSIONS	The determination of the penetration value of bituminous binders / Standard test method for penetration of bituminous materials	TMH1 E1 / ASTM D5 - 06
	Texture depth measurement for the design of surfacing seals	SANS 3001-BT11
CONCRETE	Concrete tests - Making and curing of test specimens	SANS 5861-3
	Concrete tests - Consistence of freshly mixed concrete – Slump test	SANS 5862-1
	Concrete tests – Compressive strength of hardened concrete	SANS 5863
SAMPLING	Sampling of freshly mixed concrete	SANS 5861-2
	Sampling from stockpiles	TMH5 MB1
	Sampling of bituminous binders	TMH5 MB4
	Sampling of premixed asphalt (Treated materials)	TMH5 MB7
	Sampling of freshly mixed concrete	TMH5 MB9
	Sampling of road pavement layers	TMH5 MC1
	Sampling of asphalt and concrete from a completed layer or structure	TMH5 MC2
	Division of a sample using the Riffler	TMH5 MD1
	Division of a sample by quartering	TMH5 MD2

Original Date of Accreditation: 27 August 2010

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM



Accreditation Manager