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:-

ASPHALT TECHNICAL SERVICES (PTY) LTD

Co. Reg. No.: 2005/035408/07

Facility Accreditation Number: **T0876**

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 17025:2005

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

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Mr R Josias
Chief Executive Officer

Effective Date: 09 May 2019
Certificate Expires: 10 May 2024

ANNEXURE A

SCHEDULE OF ACCREDITATION

Facility Number: **T0876**

Permanent Address of Laboratory:

Asphalt Technical Services (Pty) Ltd
Portion 13, Farm Doornrandjies 386JR
Umbinza Street
Laezonia, Centurion
0026

Technical Signatories:

Mr K Kwatula (SANS 3001-GR1, GR10, GR20, GR30, GR40, TMH5-MD1, TMH5-MD2)
Mr S Mwakhula (SANS 3001-AG1, AG2, AG4, AS1, AS2, AS10, AS11, AS20, TMH1 C12T (1986))
Mr Z Maholela (ASTM D5, D36, D244, D4402, BS EN 1429, SANS 4001-BT3 (5.4), TG1 MB-4)
Mr F Beneke (All methods)

Postal Address:

PO Box 422
Witkoppen
2068

Nominated Representative:

Mrs H Van Niekerk

Tel: 073 662 5269
Fax: 086 451 8196
E-mail: Hester@atslab.co.za
Cell No: 082 446 9547

Issue No.: 01
Date of Issue: 17 May 2019
Expiry Date: 10 May 2024

Materials / Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
Soils, Gravel, Sand		
	Wet preparation and particle size analysis	SANS 3001-GR1
	Determination of one-point liquid limit, plastic limit, plastic 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 of gravel, soil or sand	SANS 3001-GR30
	Determination of California Bearing Ratio of untreated soil	SANS 3001-GR40
Aggregate	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 aggregates	SANS 3001-AG4
Asphalt	Making of Asphalt briquettes for Marshall tests and other specialised 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
	Tentative method for the determination of the indirect tensile strength of asphalt material	TMH1 C12T (1986
Bitumen	Standard test method for penetration of bituminous materials	ASTM D5
	Binder Content for emulsified asphalt calculated from water content determination	ASTM D244
	Determination of residue on sieving at bituminous emulsions and determination of storage stability by sieving	BS EN 1429
	Determination of coagulation value when reduced with cement	SANS 4001-BT3 (5.4)
	Standard test method for softening point of bitumen (Ring-and-Ball Apparatus)	ASTM D36
	Standard test method for viscosity determination of asphalt at elevated temperatures using a Rotational Viscometer	ASTM D4402
Sampling	Division of sampling using the riffler	TMH5 MD1
	Division of a sample by quartering	TMH5 MD2

Original Date of Accreditation: 09 May 2019

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager