

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 17025:2017

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: 28 October 2022

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

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Technical Signatories:

Mr Z Maholela (ASTM D5, D36, D244, D4402,
BS EN 1429, SANS 4001-BT3 (5.4),
TG1 MB-4, SANS 3001:AG1,AG2,
AG4,AS1,AS2,AS10,AS11,AS20,
TMH1 C12T)
Mr S Duma (SANS 3001:AG1, AG2, AG4
AS1, AS2, AS10, AS11, AS20,
TMH1 C12T,ASTM D5, ASTM D244,
ASTM D36,ASTM D4402, TG1 MB4,
BS EN 1429,SANS4001 BT3 (5.4))
Mr K Kgopane (SANS 3001: GR1, GR10,
GR20, GR30, GR40)
Mr ML Lekgau (All methods)

Nominated Representative:

Mr Z Maholela

Issue No.: 04

Date of Issue: 28 October 2022

Expiry Date: 10 May 2024

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

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 mixed 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
Elastic recovery of polymer modified binders by Ductilometer	TG1 MB-4

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