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:-

DENSITY LAB (PTY) LTD
Co. reg. no.: 2018/630354/07
KATHU

Facility Accreditation Number: **T1136**

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 scope 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 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

Mr F Osman
Acting Chief Executive Officer

Effective Date: 03 December 2025
Certificate Expires: 02 December 2030

ANNEXURE A

SCOPE OF ACCREDITATION

Facility Number: T1136

Permanent Address of Laboratory: Density Lab (Pty) Ltd Reitzhof Plot 37 Kathu 8446	**Technical Signatories:** Mr G Hlephe — Soals and Gravels, Concrete, Sampling Mr C Segomoco — Soals and Gravels, Aggregates, Concrete and Sampling
Postal Address: Reitzho Plot 37 Kathu 8446	**Nominated Representative:** Mr G Hlephe
Cell: 078 306 3977 E-mail: laboratory@densitylab.co.za	Issue No: 01 Date of issue: 03 December 2025 Expiry date: 02 December 2030

Materials/Products Tested	Types of Tests/Properties Measured, Range of Measurement	Standard Specifications, Equipment/Techniques Used
Aggregates	Particle size analysis of aggregate by sieve	SANS 3001 AG 1 : 2014
	Determination of the Average Least Dimension of Aggregates by Direct Measurement	SANS 3001 AG 2 : 2009
	Determination of the flakiness index of coarse aggregates	SANS 3001 AG 4 : 2023
	ACV (Aggregate Crushing Value) and 10 % Fact (Fines Aggregate Crushing Test) Values of Coarse Aggregates.	SANS 3001 AG 10 : 2012
	Apparent Density of Crushed Stone Base	SANS 3001 AG 22 :2012
	Particle and relative densities of aggregates	SANS 3001 AG 23 : 2014
	Wet preparation and particle size analysis	SANS 3001 GR 1 : 2022
	Determination of the one-point liquid limit, plastic limit, plasticity index and shrinkage	SANS 3001 GR 10 : 2013
Soils and Gravels	Determination of the moisture content by oven-drying	SANS 3001 PR 20 :2023
	Determination of the maximum dry density and moisture content	SANS 3001 GR 30 : 2024

ANNEXURE A

Materials/Products Tested	Types of Tests/Properties Measured, Range of Measurement	Standard Specifications, Equipment/Techniques Used
	Determination of the Maximum Dry Density and OMC of Laboratory Mixed Cementtitiously Stabilised Materials	SANS 3001 GR 31 : 2022
	Determination of the California Bearing Ratio	SANS 3001 GR 40 : 2023
	Preparation, Compaction and Curing of Specimens of Laboratory Mixed Cementitiously Stabilised Materials	SANS 3001 GR 50 : 2013
	Sampling Preparation, Compaction and Curing of Field Mixed Freshly Cementitiously Stabilized Mixed Materials including the Determination of the Mod and OMC	SANS 3001 GR 51 : 2022
	Determination of the Determination of the Unconfined Compressive Strength of Compacted and Cured Specimens of Cementitiously Stabilised Materials	SANS 3001 GR 53 : 2023
	Determination of the Indirect Tensile Strength of Compacted and Cured Specimens of Cementitiously Stabilised Materials	SANS 3001 GR 54 : 2023
	Determination of In - Situ Density Using a Nuclear Density Gauge	SANS 3001 NG 5 : 2022
Concrete	Sampling of Freshly Mixed Concrete	SANS 5861 - 2 : 2006
	Making and curing of test specimens	SANS 5861 - 3 : 2006
	Consistence of freshly mixed concrete Slump test	SANS 5862 - 1 : 2006
	Compressive strength of hardened concrete	SANS 5863 : 2006
Sampling	Sampling from a Sampling Pit in natural Gravel; Soil or Sand	TMH 5 MA 2
	Sampling from Stockpiles	TMH 5 MB 1
	Sampling of Freshly Mixed Concrete	TMH 5 MB 9

	Sampling of treatment pavement layers to determine content and distribution of the Stabilizer	TMH 5 MB 10
	Sampling from Road Pavement Layers	TMH 5 MC 1
	Division of a sample using the riffler	TMH 5 MD 1
	Division of a Sample by Quartering	TMH 5 MD 2
	Measurement of the in-situ strength of soils by the dynamic Cone penetrometer (DCP)	TMH 6 ST 6

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager