

CERTIFICATE OF ACCREDITATION

OMAMANYA LABORATORY SERVICES (PTY) LTD

Company Registration No: 2007/0158

Facility Accreditation Number: TEST-3 0002

is a SADCAS accredited Testing Laboratory
provided that all SADCAS conditions are complied with

This certificate is valid as per the scope stated in the accompanying schedule of accreditation,
Annexure "A", bearing the above accreditation number for

CIVIL ENGINEERING

The facility is accredited in accordance with the recognized International Standard

ISO/IEC 17025:2017

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

*SADCAS is a subsidiary organization of SADC. A memorandum of understanding between SADC and
SADCAS serves as the basis for the recognition of SADCAS by SADC Member States
as a multi-economy accreditation body*

Mrs Pinkie J Malebe
For Chief Executive Officer

Date of Renewal of Accreditation: 15 March 2023

Effective Date (Issue No: 1): 15 March 2023

Certificate Expires: 14 March 2028

ANNEXURE A
SCHEDULE OF ACCREDITATION
CIVIL ENGINEERING

Laboratory Accreditation Number: TEST-3 0002 (ISO/IEC 17025:2017)

<p>Permanent Address of Laboratory Omamanya Laboratory Services (Pty) Ltd 6 Van Der Bijl Street Northern Industrial Area Windhoek Namibia</p> <p>Postal Address: P O Box 11598 Klein Windhoek Namibia</p> <p>Tel : +264 61 245 103/6 Cell : +264 81 232 4078 Fax : +264 61 245 101 Email : dennis@omamanya.go.na</p>		<p>Technical Signatories : Mr D C F McDonald (All methods) Mr W J Coetzee (All methods)</p> <p>Nominated Representative : Mr W J Coetzee</p> <p>Issue No. : 02 Date of issue : 08 November 2023 Expiry Date : 14 March 2028</p>
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/ PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/ TECHNIQUES USED
<p>Soils and Gravels</p>	<p>Wet Preparation and particle size analysis Determination of the liquid limit, plastic limit, plasticity index and linear shrinkage Determination of the moisture content by oven-drying Determination of the maximum dry density and optimum moisture content Determination of the California bearing ratio Determination of in situ density using a nuclear density gauge Particle size analysis of material smaller than 2mm (hydrometer method)</p>	<p>SANS 3001 – GR1 / TMH1: A1(a), A5 SANS 3001 – GR10, GR11 / TMH1: A2, A3, A4 SANS 3001 – GR20 SANS 3001 – GR30 / TMH1: A7 SANS 3001 – GR40 / TMH1: A8 SANS 3001 – NG5 / TMH1:A10(b) SANS 3001 – GR3</p>
<p>Aggregates</p>	<p>Particle size analysis of aggregates by sieving Determination of the average least dimension of aggregates by direct measurement Determination of the flakiness index of coarse aggregate</p>	<p>SANS 3001 – AG1 /TMH1:B4 SANS 3001 – AG2 / TMH1: B18(a) SANS 3001 – AG4 / TMH1: B3</p>

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Issue No: 02

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MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/ PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/ TECHNIQUES USED
Aggregates	ACV (aggregate crushing value) and 10 % FACT (fines aggregate crushing test) values of coarse aggregates *Particle and relative densities of aggregates (Tests on concrete materials)	SANS 3001 – AG10 / TMH1: B1, B2 SANS 3001 – AG23
Concretes	Making and Curing of Test Specimens Consistence of Freshly Mixed Concrete – Slump Test Compressive Strength of Concrete Cubes Compressive Strength of Hardened Concrete Cores	SANS 5861-1,2,3 SANS 5862-1 SANS 5863:2006 SANS 865:1994
Sampling	Sampling from Sampling Pit in Natural Gravel, Soil and Sand Sampling from Stockpiles Sampling of Freshly Mixed Concrete Sampling of Road Pavement Layers Division of a Sample using a Riffler Division of a Sample by Quartering	TMH5: MA2 TMH5: MB1 TMH5: MB9 TMH5: MC1 TMH5: MD1 TMH5: MD2
Geotechnical	Measurement of the In-Situ Strength of Soils by Dynamic Cone Penetrometer	TMH6: ST6

Original date of accreditation: 1 December 2017

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Pinkie J Malebe
SADCAS Technical Manager