



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:-

ELEMENT MATERIALS TECHNOLOGY SOUTH AFRICA (PTY) LTD

Co. Reg. No.: 2015/025446/07

Facility Accreditation Number: T0729

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

CHEMICAL ANALYSIS

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 M Phaloane
Acting Chief Executive Officer

Effective Date: 14 July 2021
Certificate Expires: 13 July 2026



ANNEXURE A
SCHEDULE OF ACCREDITATION

Facility Number: **T0729**

Permanent Address of Laboratory:

Element Material Technology South Africa (Pty) Ltd
Unit D2,
Firgrove Business Park
9 Quantum Road
Somerset West
7130

Technical Signatories:

Ms P Booï (SA TM 004 W, SA TM 005 & SA TM 015 W&S, SA TM 036 W&S, SA TM015W, SA TM 016 W&S)
Ms M Magwentshu (SA TM 019, SA TM 020W, SA TM 028, SA TM 032W, SA TM 037W, SA TM 057W, SA TM 057W, SA TM 191W)
Mr R Widschut (SA-TM-030-W method only)
Mr A Lindi (SA-TM 027, SA-TM 048, SA-TM 020W, SA-TM 019, SA-TM 028, SA-TM 037W, SA-TM 032W, SA-TM 191W, SA-TM 057W, SA-TM-030-W)
Mr A Gonstana (SA-TM-027, SA-TM, 048W, SA-TM-20W, SA-TM-019, SA-TM-028, SA-TM-037W, SA-TM-032W, SA-TM-19W, SA-TM-057W)
Mr V Myezo (SA-TM-004W, SA-TM-005W, SA-TM-005S, SA-TM-016W, SA-TM-0165S, SA-TM-015W, SA-TM-015S, SA-TM-036W, SA-TM-036W)

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Nominated Representative:

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Fax: N/A

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E-mail: mbasakazi.magwentshu@jones-environment... **Expiry Date:** 13 July 2026

Material or Products Tested	Type of Tests/ Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
CHEMICAL		
Water (Surface water, tap water, groundwater)	Determination of Chemical Oxygen Demand	SA TM 057W
	Determination of Electrical Conductivity (EC) at 25°C	SA TM 028
	Determination of Total Suspended solids	SA TM 037W
	Volatile Organic Compound and Fuel Oxygenates by GC-MS Headspace	SA TM 015W
	PAH's by GC-MS	SA TM 004W
	Major and Trac Metals (Ca, Mg, K, Na, Ai, As, B, Ba, Be, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, P, Pb, Sb, Se, Ti, V, Zn) by ICP	SA-TM-030-W
	GRO, MBTEX and CWG by GC-FID	SA TM 036W

Semi Volatile Organic Compounds (SVOCs) by GCMS	SA TM 016W
Determination of Extractable Petroleum Hydrocarbons between C8 - 40	SA TM 005
Determination of Orthophosphate as PO ₄ by Colorimetric measurement	SA TM 191W
Determination of Ferrous iron (FeII)	SA TM 048W
Determination of Total Alkalinity	SA TM 032W
Determination of Total Dissolved solids and Total solids	SA TM 020W
Determination pH at 25°C	SA TM 19
Determination of Flouride, Chloride, Calcium, Magnesium, Ammonium, Nitrite, Nitrate & Sulphate, Potassium, Sodium.	SA TM 027

Soils

Determination pH at 25°C	SA TM 019
Volatile Organic Compound and Fuel Oxygenates by GC-MS Headspace	SA TM 015S
Determination of Extractable Petroleum Hydrocarbons between C ₈ - 40	SA TM 005
Determination of Flouride, Chloride, Calcium, Magnesium, Ammonium, Nitrite, Nitrate & Sulphate, Potassium, Sodium.	SA TM 027S
Volatile Organic Compound by GC-MS	SA TM 015S
GRO, MBTEX and CWG by GC-FID	SA TM 036S
Semi Volatile Organic Compounds (SVOCs) by GCMS	SA TM 016S

Original Date of Accreditation: 14 July 2016

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM



 Accreditation Manager