

# **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:-*

## **LEVEGO ENVIRONMENTAL SERVICES (PTY) LTD**

**Co. Reg. No.: 2017/188749/07**

Facility Accreditation Number: **T0846**

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

## **EMISSIONS TESTING & AMBIENT AIR MONITORING**

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

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**Mr M Phaloane**  
**Acting Chief Executive Officer**

**Effective Date: 02 June 2021**  
**Certificate Expires: 19 February 2022**

ANNEXURE A  
**SCHEDULE OF ACCREDITATION**

Facility Number: **T0846**

**Permanent Address of Laboratory:**

Levego Environmental Services (Pty) Ltd  
 Building R6 Pinelands Site  
 Ardeer Road  
 Modderfontein  
 1645

**Signatory:**

Mr H Butcher (All Chemical, Stack Sampling  
 Methods and ASTM 1739 Dust Fall)  
 Mr H Yingwani (All Stack Sampling Methods and  
 ASTM 1739 Dust Fall)  
 Mr J Moolman (All Stack Sampling Methods)  
 Mr C Malinda (All Stack Sampling Methods)  
 Ms M Chidi (All Chemical Methods)

**Postal Address:**

P O Box 422  
 Modderfontein  
 1645

**Nominated Representative:**

Mr H Butcher

**Tel:** (011) 608 - 4148

**Issue No.:** 05

**Fax:** (011) 608 -2621

**Date of Issue:** 02 June 2021

**E-mail:** harvey@levego.co.za

**Expiry Date:** 19 February 2022

Material or Products Tested	Type of Tests/ Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
<b>CHEMICAL</b>		
Rinse solutions	Manual determination of mass concentration of particulate matter (Rinse solutions – weighing)	EPA Method 5; 5B; 5D; 5E, 5F, 5H, and 5I, EPA 17 BS EN 13284-1, ISO 9096, ISO 12141 and LEV-M-002
Filter Papers	Manual determination of mass concentrating of particulate matter (Filters – weighing)	EPA Method 5; 5B; 5D; 5E; 5F; 5H; and 5I, EPA 17, BS EN 13284-1, ISO 9096, ISO12141 and LEV-M-002
Gasses	Quantitative determination of sulphur dioxide (SO <sub>2</sub> ), Sulphur Trioxide (SO <sub>3</sub> ) and Sulphuric acid mist	EPA Method 6A; 6; 6A; 6B; EPA 8; 8A; EPA 16A; ISO 7934 and LEV-M-001
Environmental: Atmospheric Dustfall	Collection and Measurement of Dustfall (Settleable Particulate Matter – weighing), soluble and insoluble fractions	ASTM D1739/SANS1137
Testing of Stack Emissions to Atmosphere	Carbon monoxide (CO)	EPA Method 10; 10B, EN 15058, BS EN 12039
	Oxides of Nitrogen (NOX)	EPA Method 7E, BS EN ISO 14792
	Oxygen (O <sub>2</sub> )	EPA 3A, ISO 12039, BS EN 14789
	Carbon Dioxide (CO <sub>2</sub> )	EPA Method 3A, ISO 12039
	Sulphur dioxide (SO <sub>2</sub> ) (instrumental)	EPA Method 6C
	Total Gaseous Organic Concentration by FID (TOC and TVOC)	EPA 25A, BS EN 12619
	Total Reduced sulphur	EPA 16A, 16C

Testing of Stack Emissions to Atmosphere	Traverse Points including Homogeneity	EPA Method 1; 1A, EN ISO 16911-1, ISO10780, EN15259, ISO 9096, BS EN 13284-1 and ISO12141
	Velocity	EPA Method 2, and 2C. EN ISO 16911-1, ISO 10780, EN 15259, ISO 9096, BS EN 13284-1 and ISO12141
	Molecular Weight (Gas Density)	EPA 3,3A
	Moisture	EPA 4
	Manual determination of mass concentration of particulate matter	EPA Method 5; 5B; 5D; 5E; 5F; 5H and 5I, EPA 17, BS EN 13284-1, ISO 9096, ISO 12141 and LEV-M-002
	Dioxins and Furans including PCBBS/PCDFS and dioxin like PCB'S.	EPA Method 23
	Hydrogen Halides and Halogens (HCl, HF, NH3) as individual compounds	EPA Method 26, 26A, BS EN 1911 and CTM 027
	Determination of Metals	EPA Method 29, EN13211 and EN14385
	Quantitative determination of sulphur dioxide (SO2), Sulphur Trioxide (SO3) and Sulphuric acid mist	EPA Method 6 and EPA Method 8, IO 7934, BS11632 (IC), BS EN 1479 and LEV-M-001
	Volatile Organic Compounds – Gas Chromatography VOC	Method 18
Testing of Stack Emissions to Atmosphere	Determination of Polycyclic Aromatic Hydrocarbon (PAH)	CARB Method 429
	Determination of Hexavalent Chromium	EPA Method 0061
	Automated monitoring of mass concentrations of particles - performance characteristics, test methods and specifications	ISO 10155
	Quality assurance of automated measuring systems. QAL2 and the Annual Surveillance Test (AST) for CEMS	BS EN 14181
	Determination of low range mass concentration of Dust - Part 2: Automated Measuring Systems. QAL2 and the Annual Surveillance Test (AST) for CEMS	BS EN 13284-2

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Original Date of Accreditation: 20 February 2017

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

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**Accreditation Manager**