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 17025:2005

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 R Josias
Chief Executive Officer

Effective Date: 20 Febraury 2019
Certificate Expires: 19 February 2022

ANNEXURE A

SCHEDULE OF ACCREDITATION

Facility Number: **T0846**

Permanent Address of Laboratory:

Levego Enviromental Services (Pty) Ltd

Building R6 Pinelands Site

Ardeer Road

Modderfontein

1645

Signatory:

Mr H Butcher (All Methods Chemical Analysis, All methods Stack Sampling and ASTM 1739 Dust Fall)

Mr S Van Heerden (All Methods Chemical Analysis)

Mr H Yingwani (All Methods Stack Sampling and ASTM 1739 Dust Fall)

Mr J Moolman (All Methods Stack Sampling)

Mr C Malinda (All Methods Stack Sampling)

Ms M Chidi (All Methods Chemical Analysis)

Mr V Jovic (ASTM 1739 Dust Fall)

Postal Address:

P O Box 422

Modderfontein

1645

Nominated Representative:

Mr S Van Heerden

Tel: (011) 608 - 4148

Fax: (011) 608 -2621

E-mail: schalk@levego.co.za

Issue No.: 03

Date of Issue: 24 May 2019

Expiry Date: 19 February 2022

Material or Products Tested	Type of Tests/ Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
CHEMICAL		
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 (SO2), Sulphur Trioxide (SO3) 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 (O2)	EPA 3A, ISO 12039, BS EN 14789
	Carbon Dioxide (CO2)	EPA Method 3A, ISO 12039
	Sulphur dioxide (S02) (instrumental)	EPA Method 6C

Total Gaseous Organic Concentration by FID (TOC and GOC)	EPA 25A, BS EN 12619
Total Reduced sulphur	EPA 16C
Traverse Points	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
Total Reduced sulphur	EPA 16A

Original Date of Accreditation: 20 February 2017

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager