



ANNEX G2

CALIBRATION CERTIFICATES FOR
LANDFILL GAS MONITORING
EQUIPMENT



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CERTIFICATE OF ANALYSIS

CONTACT: MR IVAN LEUNG
CLIENT: ALS TECHNICHEM (HK) PTY LTD
ADDRESS: 11/F., CHUNG SHUN KNITTING CENTRE,
1-3 WING YIP STREET, KWAI CHUNG, N.T.

WORK ORDER: HK2513821

SUB BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 08-Apr-2025
DATE OF ISSUE: 16-Apr-2025

SPECIFIC COMMENTS

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

The performance of the equipment stated in this report is checked with independent reference material and results are compared against a calibrated secondary source.

The "Instrument Specification" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The "Next Calibration Date" is recommended according to best practice principles as practised by the laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

Equipment Type: Landfill Gas Analyser
Service Nature: Performance Check
Scope: Carbon dioxide, Methane and Oxygen
Brand Name/ Model No.: GA5000
Serial No./Equipment No.: G510727 (HK2374)
Date of Calibration: 14 April, 2025

GENERAL COMMENTS

This report superseded any previous report(s) with same work order number.

Ms Chan Ka Yu, Karen
Manager - Organics

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



Work Order: HK2513821
Sub-Batch: 0
Client: ALS TECHNICHEM (HK) PTY LTD
Date of Issue: 16-Apr-2025

Equipment Type: Landfill Gas Analyser
Brand Name/
Model No.: GA5000
Serial No./
Equipment No.: G510727 (HK2374)
Date of Calibration: 14 April, 2025

Next Calibration Date: 14 April, 2026

Parameters:

Methane

Calibrated Gas Standard, %	Monitor Readout, %	% error	Instrument Specification, %
0.0 (Nitrogen)	0.1	0.1	± 0.5
1.0	0.1	-0.9	± 0.5
10.0	0.1	-9.9	± 0.5
49.8	0.1	-49.7	± 0.5

Carbon Dioxide

Calibrated Gas Standard, %	Monitor Readout, %	% error	Instrument Specification, %
0.0 (Nitrogen)	0.0	0.0	± 0.5
1.0	0.0	-1.0	± 0.5
10.1	0.0	-10.1	± 0.5
50.1	0.0	-50.1	± 0.5

Oxygen

Calibrated Gas Standard, %	Monitor Readout, %	% error	Instrument Specification, %
0.0 (Nitrogen)	10.2	10.2	± 1.0
9.8	10.3	0.5	± 1.0
23.3	10.5	-12.8	± 1.0

Ms Chan Ka Yu, Karen
Manager - Organics

PROMAT (HK) LTD

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Your Solution To Testing Instrument

Calibration Certificate

Customer Name ALS Technichem (HK) Pty Ltd
Model Gasurveyor 512-Leak
Serial 554846
Tested On 1 August, 2024
Cal Expires 1 August, 2025

Calibrated For METHANE
100% LEL Equivalent 4.4% by VOL
Leak Test PASS

Overall Results PASS



Calibration Result

Gas Applied	Range	Reading	Calibrated	Result
Zero Air	% LEL	-0.2	0.0	PASS
Zero Air	% GAS	0.0	0.0	PASS
Zero Air	Semi-Int	0.0	0	PASS

Gas Applied	Range	Reading	Calibrated	Result
30 PPM Methane	Semi-Int	263	27	PASS
50% LEL Methane	% LEL	48.8	50.0	PASS
99.9% VOL Methane	% GAS	99.5	99.5	PASS

Calibrated By Law : _____

