



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:** HK2415013

**SUB BATCH:** 0  
**LABORATORY:** HONG KONG  
**DATE RECEIVED:** 18-Apr-2024  
**DATE OF ISSUE:** 30-Apr-2024

### 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.: G508090 (HK2096)  
Date of Calibration: 30 April, 2024

### 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This report superseded any previous report(s) with same work order number.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:** HK2415013  
**Sub-Batch:** 0  
**Client:** ALS TECHNICHEM (HK) PTY LTD  
**Date of Issue:** 30-Apr-2024

Equipment Type: Landfill Gas Analyser  
Brand Name/  
Model No.: GA5000  
Serial No./  
Equipment No.: G508090 (HK2096)  
Date of Calibration: 30 April, 2024

Next Calibration Date: 30 May, 2024

## Parameters:

### Methane

Calibrated Gas Standard, %	Monitor Readout, %	% error	Instrument Specification, %
0.0 (Nitrogen)	0.0	0.0	± 0.5
1.0	1.0	0.0	± 0.5
10.0	10.0	0.0	± 0.5

### Carbon Dioxide

Calibrated Gas Standard, %	Monitor Readout, %	% error	Instrument Specification, %
0.0 (Nitrogen)	0.0	0.0	± 0.5
1.0	1.2	0.2	± 0.5
10.1	10.4	0.3	± 0.5

### Oxygen

Calibrated Gas Standard, %	Monitor Readout, %	% error	Instrument Specification, %
0.0 (Nitrogen)	0.0	0.0	± 1.0
23.3	23.6	0.3	± 1.0

Ms Chan Ka Yu, Karen  
Manager - Organics

**PROMAT (HK) LTD**

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## Calibration Certificate

Customer Name           Als Technichem (HK) Pty Ltd  
Model                     Gasurveyor 512-Leak  
Serial                     554846  
Tested On                09 August 2023  
Cal Expires              08 August 2024  
  
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	-4	PASS

Gas Applied	Range	Reading	Calibrated	Result
30 PPM Methane	Semi-Int	87	28	PASS
50% LEL Methane	% LEL	57.2	50.0	PASS
99% VOL Methane	% GAS	102.0	98.9	PASS

Calibrated By : \_\_\_\_\_

