

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:** HK2314660

**SUB BATCH:** 0  
**LABORATORY:** HONG KONG  
**DATE RECEIVED:** 18-Apr-2023  
**DATE OF ISSUE:** 26-Apr-2023

### 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.: G507306 (HK1935)  
Date of Calibration: 26 April, 2023

### 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This report superseded any previous report(s) with same work order number.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:** HK2314660  
**Sub-Batch:** 0  
**Client:** ALS TECHNICHEM (HK) PTY LTD  
**Date of Issue:** 26-Apr-2023

Equipment Type: Landfill Gas Analyser  
Brand Name/  
Model No.: GA5000  
Serial No./  
Equipment No.: G507306 (HK1935)  
Date of Calibration: 26 April, 2023

Date of next Calibration: 26 May, 2023

## Parameters:

### Methane

Calibrated Gas Standard, %	Monitor Readout, %	% error	Instrument Specification, %
0.0 (Nitrogen)	0.0	0.0	± 0.3
1.0	1.0	0.0	± 0.3
10.0	9.9	-0.1	± 0.5

### Carbon Dioxide

Calibrated Gas Standard, %	Monitor Readout, %	% error	Instrument Specification, %
0.0 (Nitrogen)	0.0	0.0	± 0.3
1.0	1.0	0.0	± 0.3
10.0	10.0	0.0	± 0.5

### Oxygen

Calibrated Gas Standard, %	Monitor Readout, %	% error	Instrument Specification, %
0.0 (Nitrogen)	0.0	0.0	± 1.0
23.5	23.8	0.3	± 1.0

Ms Chan Ka Yu, Karen  
Manager - Organics

**PROMAT (HK) LTD**

寶時(香港)有限公司

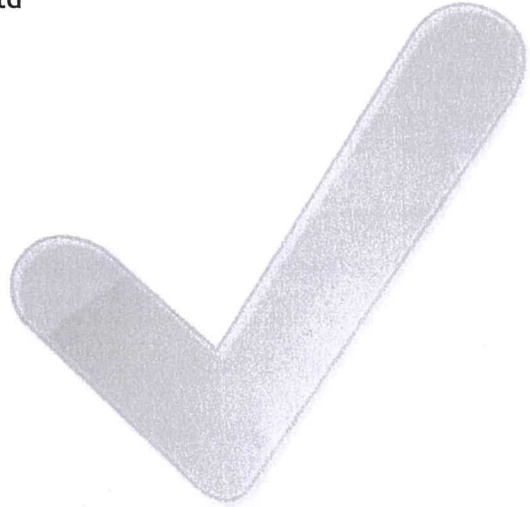
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Tel: (852)2661 2392 Fax: (852)2661 2086 Email: [service@promat.hk](mailto:service@promat.hk) <http://www.promat.hk>



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# Calibration Certificate

Customer Name                    Als Technichem (HK) Pty Ltd  
Model                                Gasurveyor 512-Leak  
Serial                                554846  
Tested On                         10 August 2022  
Cal Expires                        10 August 2023  
  
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	-0.1	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	11	30	PASS
50% LEL Methane	% LEL	60.8	50.0	PASS
99% VOL Methane	% GAS	105.8	98.9	PASS

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

