



ANNEX G2

CALIBRATION CERTIFICATES FOR  
LANDFILL GAS MONITORING  
EQUIPMENT



ALS Technichem (HK) Pty Ltd

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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:** HK2531119

**SUB BATCH:** 0  
**LABORATORY:** HONG KONG  
**DATE RECEIVED:** 18-Jul-2025  
**DATE OF ISSUE:** 25-Jul-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.: G508090 (HK2096)  
Date of Calibration: 25 July, 2025

### GENERAL COMMENTS

This report superseded any previous report(s) with same work order number.

Ms Chan Ka Yu, Karen  
Manager - Organics

*This report shall not be reproduced except in full without the written approval of the laboratory.*

# REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



**Work Order:** HK2531119  
**Sub-Batch:** 0  
**Client:** ALS TECHNICHEM (HK) PTY LTD  
**Date of Issue:** 25-Jul-2025

Equipment Type: Landfill Gas Analyser  
Brand Name/  
Model No.: GA5000  
Serial No./  
Equipment No.: G508090 (HK2096)  
Date of Calibration: 25 July, 2025

Next Calibration Date: 25 August, 2025

## Parameters:

### Methane

| Calibrated Gas Standard, % | Monitor Readout, % | % error | Instrument Specification, % |
|----------------------------|--------------------|---------|-----------------------------|
| 0.0 (Nitrogen)             | 0.0                | 0.0     | ± 0.5                       |
| 1.0                        | 0.9                | -0.1    | ± 0.5                       |
| 10.0                       | 10.1               | 0.1     | ± 0.5                       |

### Carbon Dioxide

| Calibrated Gas Standard, % | Monitor Readout, % | % error | Instrument Specification, % |
|----------------------------|--------------------|---------|-----------------------------|
| 0.0 (Nitrogen)             | 0.1                | 0.0     | ± 0.5                       |
| 1.0                        | 1.3                | 0.3     | ± 0.5                       |
| 10.1                       | 10.6               | 0.5     | ± 0.5                       |

### Oxygen

| Calibrated Gas Standard, % | Monitor Readout, % | % error | Instrument Specification, % |
|----------------------------|--------------------|---------|-----------------------------|
| 0.0 (Nitrogen)             | 0.0                | 0.0     | ± 1.0                       |
| 23.3                       | 23.5               | 0.2     | ± 1.0                       |

A handwritten signature in blue ink, appearing to read 'Karen'.

Ms Chan Ka Yu, Karen  
Manager - Organics

## Calibration Certificate

Customer Name ALS Technichem (HK) Pty Ltd  
Model Gasurveyor 512-Leak  
Serial 554846  
Tested On 30 July, 2025  
Cal Expires 30 July, 2026  
  
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 | 115     | 28         | PASS   |
| 50% LEL Methane   | % LEL    | 48.0    | 50.0       | PASS   |
| 99.9% VOL Methane | % GAS    | 99.4    | 99.8       | PASS   |

Calibrated By Law : 