



ANNEX G2

CALIBRATION CERTIFICATES FOR
LANDFILL GAS MONITORING
EQUIPMENT



ALS Technichem (HK) Pty Ltd

11/F., Chung Shun Knitting Centre,

1 - 3 Wing Yip Street,

Kwai Chung, N.T., Hong Kong

T: +852 2610 1044

F: +852 2610 2021

www.alsglobal.com

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: HK2545269

SUB BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 21-Oct-2025
DATE OF ISSUE: 31-Oct-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: 31 October, 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This report superseded any previous report(s) with same work order number.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: HK2545269
Sub-Batch: 0
Client: ALS TECHNICHEM (HK) PTY LTD
Date of Issue: 31-Oct-2025

Equipment Type: Landfill Gas Analyser
Brand Name/
Model No.: GA5000
Serial No./
Equipment No.: G508090 (HK2096)
Date of Calibration: 31 October, 2025

Next Calibration Date: 30 November, 2025

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	10.1	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	1.2	0.2	± 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	24.0	0.7	± 1.0

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 : _____

