

Annex G2

Calibration Certificates for Landfill Gas Monitoring Equipment



REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

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: HK2216592
SUB-BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 10-May-2022
DATE OF ISSUE: 16-May-2022

SPECIFIC COMMENTS

It is certified that the item under calibration/checking has been calibrated/checked by corresponding calibrated equipment in the laboratory.

Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal acceptance criteria of ALS will be followed.

Scope of Test: Flammable Gas
Description: Flammable Gas Detector
Brand Name/ Model No.: GMI Leak Surveyor / 44512LR
Serial No./ Equipment No.: 554846 / HK2103
Date of Calibration: 11-May-2022

GENERAL COMMENTS

This report superseded any previous report(s) with same work order number.

Mr Chan Wai Hung, Mannix
Laboratory Manager - Project
Hong Kong

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



Work Order: HK2216592
Sub-Batch: 0
Date of Issue: 16-May-2022
Client: ALS TECHNICHEM (HK) PTY LTD

Description: Flammable Gas Detector
Brand Name/ Model No.: GMI Leak Surveyor / 44512LR
Serial No./ Equipment No.: 554846 / HK2103
Date of Calibration: 11 May, 2022 Date of next Calibration: 11 August, 2022

Parameters: Methane Gas Measurement

Expected Reading (ppm)	Displayed Reading (ppm)	Acceptance criteria (%)
27	30	±20

A handwritten signature in blue ink, appearing to be 'CJ'.

Mr Chan Wai Hung, Mannix
Laboratory Manager - Project
Hong Kong



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: HK2213555
SUB BATCH: 0
LABORATORY: HONG KONG
DATE RECEIVED: 14-Apr-2022
DATE OF ISSUE: 10-May-2022

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: 10 May, 2022

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: HK2213555
Sub-Batch: 0
Client: ALS TECHNICHEM (HK) PTY LTD
Date of Issue: 10-May-2022



Equipment Type: Landfill Gas Analyser
Brand Name/
Model No.: GA5000

Serial No./
Equipment No.: G507306 (HK1935)

Date of Calibration: 10 May, 2022

Date of next Calibration: 10 June, 2022

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	10.1	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	10.1	0.1	± 0.5

Oxygen

Calibrated Gas Standard, %	Monitor Readout, %	% error	Instrument Specification, %
0.0 (Nitrogen)	0.0	0.0	± 1.0
23.5	24.0	0.5	± 1.0

A handwritten signature in blue ink that reads 'Karen'.

Ms Chan Ka Yu, Karen
Manager - Organics