

ALS Technichem (HK) Ptv 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

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:

HENRY LAU

LAM ENVIRONMENTAL SERVICES LTD

CLIENT: ADDRESS:

19/F, REMEX CENTRE.

42 WONG CHUK HANG ROAD.

HONG KONG

WORK ORDER:

HK2106605

SUB- BATCH:

LABORATORY:

HONG KONG

DATE RECEIVED:

16- Feb- 2021

DATE OF ISSUE:

23- Feb- 2021

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 compared against a calibrated secondary source.

The "Tolerance Limit" 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 principle 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:

Multifunctional Meter

Service Nature:

Performance Check

Scope:

Dissolved Oxygen, pH Value, Salinity and Temperature

Brand Name/ Model No.:

YSI Professional Plus

Serial No./ Equipment No.:

161100298

Date of Calibration:

17- February- 2021

GENERAL COMMENTS

This is the Final Report and supersedes any preliminary report with this batch number.

Mr Chan Siu Ming, Vico Manager - Inorganic

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER:

HK2106605

SUB- BATCH:

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DATE OF ISSUE:

23- Feb- 2021

CLIENT:

LAM ENVIRONMENTAL SERVICES LTD

Equipment Type:

Multifunctional Meter

Brand Name/ Model No.:

YSI Professional Plus

Serial No./

Equipment No.:

16J100298

Date of Calibration:

17- February- 2021

Date of Next Calibration:

17- May- 2021

PARAMETERS:

Dissolved Oxygen

Method Ref: APHA (21st edition), 45000: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
3.97	3.94	- 0.03
5.18	5.07	- 0.11
8.72	8.70	- 0.02
	Tolerance Limit (mg/L)	± 0.20

pH Value

Method Ref: APHA (21st edition), 4500H: B

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.90	- 0.10
7.0	7.18	+ 0.18
10.0	9.89	- 0.11
	Tolerance Limit (pH unit)	± 0.20

Salinity

Method Ref: APHA (21st edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.02	
10	9.86	- 1.4
20	19.37	- 3.2
30	28.96	- 3.5
	Tolerance Limit (%)	± 10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr Chan Siu Ming, Vico Manager - Inorganic

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2106605

SUB- BATCH:

0

DATE OF ISSUE:

23- Feb- 2021

CLIENT:

LAM ENVIRONMENTAL SERVICES LTD

Equipment Type: Brand Name/

Multifunctional Meter

Model No.:

YSI Professional Plus

Serial No./

161100298

Equipment No.:
Date of Calibration:

17- February- 2021

Date of Next Calibration:

17- May- 2021

PARAMETERS:

Temperature Method Ref: Section 6 of International Accreditation New Zealand Technical

Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
10.5	10.1	- 0.4
20.5	20.0	- 0.5
39.5	39.3	- 0.2
	Tolerance Limit (°C)	± 2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Mr Chan Siu Ming, Vico Manager - Inorganic

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REPORT OF EQUIP	PMENT PERFORMANCE CHECK	/ CALIBRATION	
Information supplied	by customer:	3000	
CONTACT:	MR. JAMES CHU	JOB REFERENCE NO.:	22777053-A22B4803
CLIENT:	LAM ENVIRONMENTAL SERVI	CES	
DATE RECEIVED:	22/01/2021		
DATE OF ISSUE:	29/01/2021		
ADDRESS:	19/F, REMAX CENTRE,42 WONG CHUK HANG ROAD,HONG KONG		
PROJECT:			
METHOD OF PERFORMS Ref: APHA22nd ed 21	ORMANCE CHECK/ CALIBRATION 30B	ON:	
COMMENTS			
	em under performance check/calibratio	n has been calibrated/shecked by	corresponding calibrated
equipment in the labora		ii iias occii canorated/checked by	corresponding canorated
	nd calibration frequency stated in the re	port, unless otherwise stated, the	internal acceptance criteria of
FT Laboratories Ltd wi		* · · · · · · · · · · · · · · · · · · ·	
Scope of Test:		Turbidity	
Equipment Type:		Turbidimeter	
Brand Name:		Xin Rui	
Model No.:		WGZ-3B	
Serial No.:		1807079	
Equipment No.:			
Date of Calibration:	- 100 - 000 -	29/01/2021	
Remarks:			
This is the Final Report release.	. Results apply to sample(s) as submitte	ed. All pages of this report have b	een checked and approved for
	\		
	\		
Certified By:	July	Issue Date:	29/01/2021
	Ho Lai Sze		

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Senior Chemist

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REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION

WORK ORDER:

22777053-A22B4803

DATE OF ISSUE:

29/01/2021

CLIENT:

LAM ENVIRONMENTAL SERVICES

Equipment Type:	Turbidimeter	
Brand Name:	Xin Rui	
Model No.:	WGZ-3B	
Serial No.:	1807079	
Equipment No.:		1 10
Date of Calibration:	29/01/2021	
Date of next Calibation:	01/05/2021	
Lab I.D.:	H210012-03	

Parameters:

Turbidity

Method Ref: APHA 22nd ed. 2130B

Expected Reading (NTU)	Display Reading (NTU)	Tolerance	
0	0.00		
4	3.69	-7.8%	
10	9.99	-0.1%	
40	38.59	-3.5%	
100	99.73	-0.3%	
400	440	10.0%	
1000	1000	0.0%	
	Tolerance Limit (±)	10%	

Remark: "Displayed Reading" presents the figures shown on item under calibration/checking regardless of equipment precision or significant figures.

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