



**Term Contract for Provision of Sampling and Analyzing of Samples  
for Various Sewage Treatment Facilities in Urban Area, Lantau and  
Outlying Islands to the Drainage Service Department**

**Provision of Routine Marine Water Quality Monitoring Services**

**Report for the Month of Apr 2023**

Contract No. : DE/2020/02

Applicant : SEWAGE TREATMENT DIVISION 2  
ELECTRICAL AND MECHANICAL BRANCH  
DRAINAGE SERVICES DEPARTMENT

Address : STONECUTTERS ISLAND SEWAGE TREATMENT WORKS.,  
NGONG SHUNG ROAD, NGONG SHUEN CHAU,  
KOWLOON, HONG KONG

Application Number : L0011326(2)

Report Number : A00018444(0)

Report Issued Date : 17 May 2023

*For and on behalf of*  
CMA Industrial Development Foundation Limited

Authorized Signature : \_\_\_\_\_

Lau Yan Kin  
Senior Manager  
Environmental Division

The conformity statement stated in Conclusion above is based on the decision rule agreed with applicant and listed in [www.cmateesting.org/qac/statement-of-conformity.pdf](http://www.cmateesting.org/qac/statement-of-conformity.pdf)  
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CMA Industrial Development Foundation Limited

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**EXECUTIVE SUMMARY**

1. This is the water quality monitoring report prepared by CMA Testing for Contract No. DE/2020/02 “Term Contract for Provision of Sampling and Analysing of Samples for Various Sewage Treatment Facilities in Urban Area, Lantau and Outlying Islands to the Drainage Services Department”. This report documented the results and findings of Operation Phase Environmental Monitoring works conducted for Routine Marine Water Quality Monitoring (rMWQM) of Project.
2. In accordance with the Final EM&A Manual, environmental monitoring has been conducted in the reporting month with a Quarterly Basis for various parameters as summarized in **Table I**.

**Table I Summary Table for Environmental Monitoring Works Conducted in the Reporting Month**

<b>Monitoring Parameters</b>	<b>Monitoring Date</b>	<b>Laboratory Testing Parameters</b>
Marine Water Quality	20 Apr 2023	E.coli, Total Residual Chlorine (TRC), Chlorination by-products (CBPs) and Contaminants of Concern (COCs)



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**1. INTRODUCTION**

- 1.1. CMA Testing was commissioned by Drainage Services Department (DSD) to undertake the operation phase environmental monitoring for Advance Disinfection Facilities (ADF) at Stonecutters Island Sewage Treatment Works (SCISTW) (thereafter called the “the Services”).
- 1.2. The operation phase monitoring, which includes effluent quality monitoring, marine water quality monitoring and emergency discharge monitoring, is to monitor the effluent and marine water quality impact of ADF during its operation phase.
- 1.3. This is the water quality monitoring report prepared by CMA Testing that documented the results and findings of Operation Phase Water Quality Monitoring works conducted for Routine Marine Water Quality Monitoring (rMWQM) of Project.

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## 2. MARINE WATER QUALITY MONITORING

### Monitoring Requirements

- 2.1. Monitoring was taken at three water depths, namely, 1m below water surface, mid-depth and 1m above sea bed, except where the water depth is less than 6m, in which case the mid-depth station may be omitted. If the water depth be less than 3m, only the mid-depth station will be monitored.
- 2.2. Six samples (replicates) at each monitoring stations were collected by collecting the same amount of water sample at each depth.
- 2.3. One grab sample was collected at each water depth for E.coli analysis.

### Monitoring Locations

- 2.4. Six monitoring stations were designated for the marine water quality monitoring programme. The locations are summarized in Table 2.1 and shown on **Appendix I**.

**Table 2.1 Proposed Marine Water Quality Monitoring Stations**

Station	Description	Coordinates	
		Easting	Northing
1	Edge of Mixing Zone (northwest of effluent diffuser)	829762.00	819604.47
2	Edge of ZID (northwest of effluent diffuser)	830117.99	819251.93
3	Edge of ZID (southeast of effluent diffuser)	830186.21	819184.37
4	Edge of Mixing Zone (southeast of effluent diffuser)	830525.00	818848.87
SM6	Control Station	826179.81	805902.89
SM12	Control Station	819524.19	808420.40

### Monitoring Schedule

- 2.5. The marine water quality monitoring was conducted coincide with effluent quality monitoring on monitoring date.

### Monitoring Equipment

- 2.6. The equipment used in the marine water quality monitoring in the reporting month is summarized in Table 2.2. Copies of calibration certificates are shown in **Appendix II**.

**Table 2.2 Marine Water Quality Monitoring Equipment**

Equipment	Model and Make	Qty
Water Sampler	Kahlsico Water Sampler	1
Water Depth Detector	Garmin Striker 4 or equivalent	1
Positioning System	Global Positioning System (GPS)	1
Chlorine Meter	HACH Pocket Colorimeter II or equivalent	1
Turbidimeter	HACH 2100Q or equivalent	1
Multi-parameter Water Quality System	YSI Professional Plus (Pro Plus) or equivalent	1

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**Monitoring Parameters and Frequency**

- 2.7. Marine Water sampling on E.coli, Total Residual Chlorine (TRC), Chlorination By-Products (CBPs) and the Contaminants of Concern (COCs) shall be performed quarterly throughout the contract period.
- 2.8. The list of parameters to be analysed as well as the corresponding analytical methods and lowest reportable value are listed in Table 2.3

**Table 2.3 Analytical Methods for Laboratory Analysis for Marine Water Samples**

Parameters	Analytical Method	Lowest Reportable Value (µg/L)	
<b>TRC and Potential CBPs</b>			
Total Residual Chlorine	APHA 23ed 4500 Cl G	10	
Bromoform	Tri-halomethanes (THMs) USEPA 8260B	0.1	
Bromodichloromethane		0.1	
Chloroform		0.1	
Dibromochloromethane		5	
Bromoacetic acid	Haloacetic Acids (HAAs) In house method TG-ENV-WW-79 (by GC-ECD)	2	
Chloroacetic acid		2	
Dibromoacetic acid		2	
Dichloroacetic acid		2	
Trichloroacetic acid		2	
<b>Bacteria</b>			
E.coli	Environmental Monitoring Laboratory Test Method Manual TM09/EC/10/098 Issue 3, Environmental Protection Department, HK.	1 cfu/100mL	
<b>Contaminants of Concern (COCs)</b>			
Methylene chloride	Halogenated Aliphatics ISO 17943:2016 & USEPA 8206B	20	
Carbon tetrachloride		0.5	
1,1-dichloroethane		0.5	
1,2-dichloroethane		0.5	
1,1-dichloroethylene		0.5	
1,2-dichloropropane		0.5	
Tetrachloroethylene		0.5	
1,1,1-trichloroethane		Halogenated Aliphatics	0.5
1,1,2-trichloroethane			0.5
Trichloroethylene			0.5

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Parameters	Analytical Method	Lowest Reportable Value (µg/L)
<b>Contaminants of Concern (COCs)</b>		
2-chlorophenol	In house method TG-ENV-WW-80, 84 & 86 (by GC-MSD)	0.5
2,4-dichlorophenol		0.5
p-chloro-m-cresol		0.5
Pentachlorophenol		0.5
2,4,6-trichlorophenol		0.5
Bis(2-chloroethoxy) methane		0.5
Chlorobenzene	In house method TG-ENV-WW-78 (by Headspace GC/MSD) & In house method TG-ENV-WW-86 (by GC-MSD)	0.5
1,4-dichlorobenzene		0.5
Hexachlorobenzene		0.01
Hexachlorocyclopentadiene		2.5
Hexachloroethane		0.5
1,2,4-trichlorobenzene		0.5
Alpha-BHC		0.01
Beta-BHC		0.01
Gamma-BHC		0.01

### 3. RESULTS AND OBSERVATIONS

#### Weather and Sea Condition

- 3.1. The weather condition was Fine while the sea condition was moderate during the sampling period on the monitoring date

#### Marine Water Quality

- 3.2. The in-situ measurement results include dissolved oxygen, turbidity, salinity, pH and temperature of the marine water monitoring. Also, the results of marine water quality monitoring conducted on the monitoring date and QC report are shown in **Appendix II**.

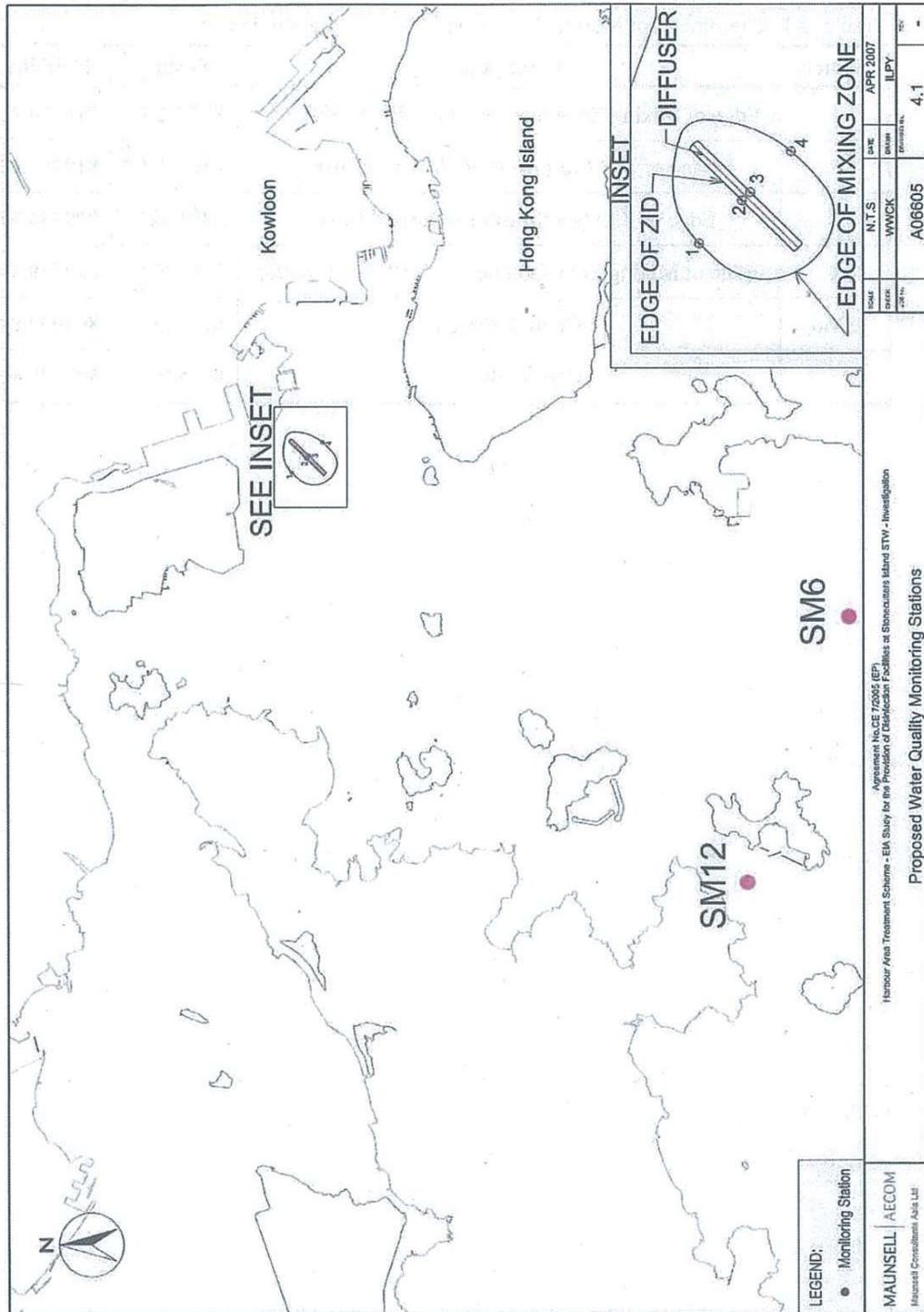


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**Appendix I - Location of Monitoring Stations**

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**Term Contract for Provision of Sampling and Analyzing of Samples for Various Sewage Treatment Facilities in Urban Area, Lantau and Outlying Islands to the Drainage Services Department**

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**Appendix II - Report for Laboratory Test(s)**

## TEST REPORT

Report No. : A00018445(0) Date: 17 May 2023

Application No. : L0011326(2)

Applicant : SEWAGE TREATMENT DIVISION 2  
ELECTRICAL AND MECHANICAL BRANCH  
DRAINAGE SERVICES DEPARTMENT  
STONECUTTERS ISLAND SEWAGE TREATMENT WORKS.,  
NGONG SHUNG ROAD, NGONG SHUEN CHAU,  
KOWLOON, HONG KONG

Contract No. : DE/2020/02

Project Name : Term Contract for Provision of Sampling and Analyzing of Samples for Various Sewage Treatment Facilities in Urban Area, Lantau and Outlying Islands to the Drainage Services Department

Sample Description : Six (6) marine sampling point, Eighteen (18) marine water samples sampled by the staff of CMA Industrial Development Foundation Limited.  
Samples were refrigerated during delivery.

Sample ID : Refer to Sample ID on page 4 to 10.

Sampling Location :

Station	Description	Coordinates	
		Easting	Northing
1	Edge of Mixing Zone (northwest of effluent diffuser)	829762.00	819604.47
2	Edge of ZID (northwest of effluent diffuser)	830117.99	819251.93
3	Edge of ZID (southeast of effluent diffuser)	830186.21	819184.37
4	Edge of Mixing Zone (southeast of effluent diffuser)	830525.00	818848.87
SM6	Control Station	826179.81	805902.89
SM12	Control Station	819524.19	808420.40

For and on behalf of  
CMA Industrial Development Foundation Limited

Authorized Signature : 

Lau Yan Kin  
Senior Manager  
Environmental Division



## TEST REPORT

Report No. : A00018445(0) Date: 17 May 2023

Application No. : L0011326(2)

Sampling Date : 20 Apr 2023

Date Received : 20 Apr 2023

Test Period : 24 Apr 2023 to 08 May 2023

Test Requested : 1. Temperature (on-site measurement)  
2. pH (on-site measurement)  
3. Salinity (on-site measurement)  
4. Dissolved Oxygen (DO) (mg/L) (on-site measurement)  
5. Dissolved Oxygen (DOS) (% saturation) (on-site measurement)  
6. Turbidity (on-site measurement)  
7. Total Residual Chlorine (on-site measurement)  
8. E. coli count  
9. Bromoform  
10. Bromodichloromethane  
11. Chloroform  
12. Dibromochloromethane  
13. Bromoacetic acid  
14. Chloroacetic acid  
15. Dibromoacetic acid  
16. Dichloroacetic acid  
17. Trichloroacetic acid  
18. Methylene chloride  
19. Carbon tetrachloride  
20. 1,1-dichloroethane  
21. 1,2-dichloroethane  
22. 1,1-dichloroethylene  
23. 1,2-dichloropropane  
24. Tetrachloroethylene  
25. 1,1,1-trichloroethane  
26. 1,1,2-trichloroethane  
27. Trichloroethylene  
28. 2-chlorophenol  
29. 2,4-dichlorophenol  
30. p-chloro-m-cresol  
31. Pentachlorophenol  
32. 2,4,6-trichlorophenol  
33. Bis(2-chloroethoxy) methane  
34. Chlorobenzene  
35. 1,4-dichlorobenzene  
36. Hexachlorobenzene  
37. Hexachlorocyclopentadiene  
38. Hexachloroethane  
39. 1,2,4-trichlorobenzene  
40. Alpha-BHC  
41. Beta-BHC  
42. Gamma-BHC



## TEST REPORT

Report No. : A00018445(0) Date: 17 May 2023

Application No. : L0011326(2)

Test Method : 1-5. In house method (by multimeter)  
6. APHA 23ed 2130 B  
7. APHA 23ed 4500 Cl G  
8. Environmental Monitoring Laboratory Test Method Manual  
TM09/EC/10/098 Issue 3, Environmental Protection  
Department, HK.  
9-12. USEPA 8260B  
13-17. In house method TG-ENV-WW-79 (by GC-MSD)  
18-27. ISO 17943:2016 & USEPA 8260B  
28-33. In house method TG-ENV-WW-80, 84 & 86 (by GC-MSD)  
34-42. In house method TG-ENV-WW-78 (by Headspace GC-MSD) &  
In house method TG-ENV-WW-86 (by GC-MSD)

Test Result : Refer to results on page 4 to 10.



## TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)

### Marine Water Quality

Sampling Date 20-Apr-2023

Monitoring Location	Time	Water Depth (m)	Sampling Depth (m)	E.coli (cfu/100mL)	Temperature (°C)		Salinity (ppt)		pH		DO (mg/L)		DOS (%)		Turbidity (NTU)		TRC (mg/L)	
1	13:40 -13:45	9.8	1.0	760	18.8	18.8	31.9	31.9	8.9	8.9	6.2	6.2	79.7	79.7	2.5	2.5	0.01	0.01
			4.9	1,000	18.8	18.8	32.4	32.4	8.9	8.9	6.0	6.0	77.9	77.9	1.7	1.7	0.01	0.01
			8.8	1,400	18.7	18.7	32.5	32.5	8.9	8.9	5.9	5.9	76.6	76.6	1.9	1.9	0.01	0.01
2	13:48 - 13:53	9.7	1.0	690	18.8	18.8	32.3	32.3	8.9	8.9	6.1	6.1	79.3	79.3	2.8	2.8	0.01	0.01
			4.9	720	18.7	18.7	32.4	32.4	8.9	8.9	6.0	6.0	77.4	77.4	2.0	2.0	0.01	0.01
			8.7	910	18.6	18.6	32.5	32.5	8.9	8.9	5.9	5.9	76.7	76.7	3.0	3.0	0.01	0.01
3	13:56-14:01	9.7	1.0	240	19.0	19.0	31.9	31.9	8.9	8.9	6.1	6.1	79.8	79.8	3.8	3.8	0.01	0.01
			4.9	380	18.8	18.8	32.4	32.4	8.9	8.9	6.0	6.0	77.8	77.8	3.4	3.4	0.01	0.01
			8.7	160	18.7	18.7	32.5	32.5	8.9	8.9	5.9	5.9	76.7	76.7	2.9	2.9	0.01	0.01
4	14:04 - 14:09	9.9	1.0	150	19.1	19.1	32.3	32.3	8.9	8.9	6.1	6.1	79.6	79.6	3.7	3.7	0.01	0.01
			5.0	98	18.9	18.9	32.4	32.4	8.9	8.9	6.0	6.0	77.9	77.9	3.1	3.1	0.01	0.01
			8.9	84	18.8	18.8	32.5	32.5	8.9	8.9	5.9	5.9	77.1	77.1	2.4	2.4	0.01	0.01
SM6	10:59-11:02	14.8	1.0	54	18.8	18.8	32.2	32.2	8.9	8.9	6.1	6.1	80.3	80.3	3.2	3.2	0.01	0.01
			7.4	66	18.7	18.7	32.5	32.5	8.9	8.9	6.1	6.1	79.2	79.2	2.6	2.6	0.01	0.01
			13.8	48	18.5	18.5	32.8	32.8	8.8	8.8	6.0	6.0	76.9	76.9	2.6	2.6	0.01	0.01
SM12	10:22-10:25	9.0	1.0	20	18.8	18.8	32.3	32.3	8.9	8.9	6.1	6.1	80.0	80.0	3.2	3.2	0.01	0.01
			4.5	38	18.8	18.8	32.7	32.7	8.8	8.8	6.0	6.0	79.0	79.0	2.6	2.6	0.01	0.01
			8.0	12	18.6	18.6	33.0	33.0	8.8	8.8	5.9	5.9	77.4	77.4	2.5	2.5	0.01	0.01
			LRV	1 cfu/100mL	0.1 °C		1 ppt		0.1		0.5 mg/L		-		1 NTU		0.01 mg/L	



## TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)

Marine Water Quality

Sampling Date 20-Apr-2023

Monitoring Location	Time	Water Depth (m)	Sampling Depth (m)	Bromoform (µg/L)		Bromodichloromethane (µg/L)		Chloroform (µg/L)		Dibromochloromethane (µg/L)		Bromoacetic acid (µg/L)		
1	13:40 -13:45	9.8	1.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2	
			4.9	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2
			8.8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2
2	13:48 - 13:53	9.7	1.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2	
			4.9	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2
			8.7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2
3	13:56-14:01	9.7	1.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2	
			4.9	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2
			8.7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2
4	14:04 - 14:09	9.9	1.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2	
			5.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2
			8.9	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2
SM6	10:59-11:02	14.8	1.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2	
			7.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2
			13.8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2
SM12	10:22-10:25	9.0	1.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2	
			4.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2
			8.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 5	< 5	< 2	< 2
			LRV	0.1 µg/L		0.1 µg/L		0.1 µg/L		5 µg/L		2 µg/L		



## TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)

Marine Water Quality

Sampling Date 20-Apr-2023

Monitoring Location	Time	Water Depth (m)	Sampling Depth (m)	Chloroacetic acid (µg/L)		Dibromoacetic acid (µg/L)		Dichloroacetic acid (µg/L)		Trichloroacetic acid (µg/L)	
1	13:40 -13:45	9.8	1.0	<2	<2	<2	<2	<2	<2	<2	<2
			4.9	<2	<2	<2	<2	<2	<2	<2	<2
			8.8	<2	<2	<2	<2	<2	<2	<2	<2
2	13:48 - 13:53	9.7	1.0	<2	<2	<2	<2	<2	<2	<2	<2
			4.9	<2	<2	<2	<2	<2	<2	<2	<2
			8.7	<2	<2	<2	<2	<2	<2	<2	<2
3	13:56-14:01	9.7	1.0	<2	<2	<2	<2	<2	<2	<2	<2
			4.9	<2	<2	<2	<2	<2	<2	<2	<2
			8.7	<2	<2	<2	<2	<2	<2	<2	<2
4	14:04 - 14:09	9.9	1.0	<2	<2	<2	<2	<2	<2	<2	<2
			5.0	<2	<2	<2	<2	<2	<2	<2	<2
			8.9	<2	<2	<2	<2	<2	<2	<2	<2
SM6	10:59-11:02	14.8	1.0	<2	<2	<2	<2	<2	<2	<2	<2
			7.4	<2	<2	<2	<2	<2	<2	<2	<2
			13.8	<2	<2	<2	<2	<2	<2	<2	<2
SM12	10:22-10:25	9.0	1.0	<2	<2	<2	<2	<2	<2	<2	<2
			4.5	<2	<2	<2	<2	<2	<2	<2	<2
			8.0	<2	<2	<2	<2	<2	<2	<2	<2
			LRV	2 µg/L		2 µg/L		2 µg/L		2 µg/L	



## TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)

Marine Water Quality

Sampling Date 20-Apr-2023

Monitoring Location	Time	Water Depth (m)	Sampling Depth (m)	Methylene chloride (µg/L)		Carbon tetrachloride (µg/L)		1,1-dichloroethane (µg/L)		1,2-dichloroethane (µg/L)		1,1-dichloroethylene (µg/L)		1,2-dichloropropane (µg/L)		
1	13:40 -13:45	9.8	1.0	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
			4.9	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
			8.8	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2	13:48 - 13:53	9.7	1.0	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
			4.9	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
			8.7	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
3	13:56-14:01	9.7	1.0	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
			4.9	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
			8.7	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
4	14:04 - 14:09	9.9	1.0	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
			5.0	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
			8.9	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SM6	10:59-11:02	14.8	1.0	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
			7.4	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
			13.8	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SM12	10:22-10:25	9.0	1.0	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
			4.5	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
			8.0	<20	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
			LRV	20 µg/L		0.5 µg/L		0.5 µg/L		0.5 µg/L		0.5 µg/L		0.5 µg/L		



## TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)

### Marine Water Quality

Sampling Date 20-Apr-2023

Monitoring Location	Time	Water Depth (m)	Sampling Depth (m)	Tetrachloroethylene (µg/L)		1,1,1-trichloroethane (µg/L)		1,1,2-trichloroethane (µg/L)		Trichloroethylene (µg/L)		2-chlorophenol (µg/L)		2,4-dichlorophenol (µg/L)	
1	13:40 - 13:45	9.8	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			4.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			8.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2	13:48 - 13:53	9.7	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			4.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			8.7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
3	13:56-14:01	9.7	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			4.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			8.7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
4	14:04 - 14:09	9.9	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			8.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
SM6	10:59-11:02	14.8	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			7.4	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			13.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
SM12	10:22-10:25	9.0	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			4.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			8.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			LRV	0.5 µg/L		0.5 µg/L		0.5 µg/L		0.5 µg/L		0.5 µg/L		0.5 µg/L	



## TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)

### Marine Water Quality

Sampling Date 20-Apr-2023

Monitoring Location	Time	Water Depth (m)	Sampling Depth (m)	p-chloro-m-cresol (µg/L)		Pentachlorophenol (µg/L)		2,4,6-trichlorophenol (µg/L)		Bis(2-chloroethoxy) methane (µg/L)		Chlorobenzene (µg/L)		1,4-dichlorobenzene (µg/L)		
1	13:40 -13:45	9.8	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			4.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
			8.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2	13:48 - 13:53	9.7	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			4.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			8.7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
3	13:56-14:01	9.7	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			4.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			8.7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
4	14:04 - 14:09	9.9	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			8.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
SM6	10:59-11:02	14.8	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			7.4	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			13.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
SM12	10:22-10:25	9.0	1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			4.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			8.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
			LRV	0.5 µg/L		0.5 µg/L		0.5 µg/L		0.5 µg/L		0.5 µg/L		0.5 µg/L		



## TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)

Marine Water Quality

Sampling Date 20-Apr-2023

Monitoring Location	Time	Water Depth (m)	Sampling Depth (m)	Hexachlorobenzene (µg/L)		Hexachlorocyclopentadiene (µg/L)		Hexachloroethane (µg/L)		1,2,4-trichlorobenzene (µg/L)		Alpha-BHC (µg/L)		Beta-BHC (µg/L)		Gamma-BHC (µg/L)		
1	13:40 -13:45	9.8	1.0	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
			4.9	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
			8.8	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2	13:48 - 13:53	9.7	1.0	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
			4.9	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
			8.7	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
3	13:56-14:01	9.7	1.0	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
			4.9	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
			8.7	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
4	14:04 - 14:09	9.9	1.0	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
			5.0	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
			8.9	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
SM6	10:59-11:02	14.8	1.0	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
			7.4	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
			13.8	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
SM12	10:22-10:25	9.0	1.0	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
			4.5	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
			8.0	<0.01	<0.01	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
			LRV	0.01 µg/L		2.5 µg/L		0.5 µg/L		0.5 µg/L		0.01 µg/L		0.01 µg/L		0.01 µg/L		



## TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)

### QC Report

Parameter	Method Blank	Acceptance Criteria	QC Recovery	Acceptance Criteria	Spike Recovery	Acceptance Criteria	Duplicate (RPD)	Acceptance Criteria
	(mg/L)	(mg/L)	(%)	(%)	(%)	(%)	(%)	(%)
Total Residual Chlorine	<0.01	<0.01	96	85-115	91	85-115	<1	≤20
Parameter	Method Blank	Acceptance Criteria	QC Recovery	Acceptance Criteria	Spike Recovery	Acceptance Criteria	Duplicate (RPD)	Acceptance Criteria
	(µg/L)	(µg/L)	(%)	(%)	(%)	(%)	(%)	(%)
Bromoform	<0.02	<0.02	92	80-120	90	70-130	10	≤20
Bromodichloromethane	<0.02	<0.02	90	80-120	94	70-130	6	≤20
Chloroform	<0.02	<0.02	88	80-120	95	70-130	11	≤20
Dibromochloromethane	<1	<1	95	80-120	98	70-130	8	≤20
Bromoacetic acid	<0.4	<0.4	99	80-120	103	70-130	12	≤20
Chloroacetic acid	<0.4	<0.4	93	80-120	97	70-130	9	≤20
Dibromoacetic acid	<0.4	<0.4	104	80-120	106	70-130	13	≤20
Dichloroacetic acid	<0.4	<0.4	97	80-120	92	70-130	11	≤20
Trichloroacetic acid	<0.4	<0.4	100	80-120	95	70-130	8	≤20



## TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)

### QC Report

Parameter	Method Blank	Acceptance Criteria	QC Recovery	Acceptance Criteria	Spike Recovery	Acceptance Criteria	Duplicate (RPD)	Acceptance Criteria
	(mg/L)	(mg/L)	(%)	(%)	(%)	(%)	(%)	(%)
Methylene chloride	<4	<4	103	80-120	98	70-130	11	≤20
Carbon tetrachloride	<0.1	<0.1	98	80-120	91	70-130	10	≤20
1,1-dichloroethane	<0.1	<0.1	91	80-120	96	70-130	7	≤20
1,2-dichloroethane	<0.1	<0.1	93	80-120	89	70-130	12	≤20
1,1-dichloroethylene	<0.1	<0.1	98	80-120	104	70-130	10	≤20
1,2-dichloropropane	<0.1	<0.1	102	80-120	107	70-130	13	≤20
Tetrachloroethylene	<0.1	<0.1	94	80-120	88	70-130	13	≤20
1,1,1-trichloroethane	<0.1	<0.1	110	80-120	115	70-130	9	≤20
1,1,2-trichloroethane	<0.1	<0.1	96	80-120	110	70-130	14	≤20
Trichloroethylene	<0.1	<0.1	90	80-120	93	70-130	7	≤20
2-chlorophenol	<0.1	<0.1	97	80-120	102	70-130	11	≤20
2,4-dichlorophenol	<0.1	<0.1	99	80-120	103	70-130	6	≤20
p-chloro-m-cresol	<0.1	<0.1	105	80-120	97	70-130	13	≤20
Pentachlorophenol	<0.1	<0.1	110	80-120	105	70-130	10	≤20
2,4,6-trichlorophenol	<0.1	<0.1	96	80-120	101	70-130	8	≤20
Bis(2-chloroethoxy) methane	<0.1	<0.1	94	80-120	98	70-130	11	≤20
Chlorobenzene	<0.1	<0.1	99	80-120	90	70-130	9	≤20
1,4-dichlorobenzene	<0.1	<0.1	103	80-120	110	70-130	14	≤20
Hexachlorobenzene	<0.005	<0.005	107	80-120	102	70-130	10	≤20
Hexachlorocyclopentadiene	<0.5	<0.5	93	80-120	96	70-130	12	≤20
Hexachloroethane	<0.1	<0.1	89	80-120	101	70-130	5	≤20
1,2,4-trichlorobenzene	<0.1	<0.1	99	80-120	93	70-130	8	≤20
Alpha-BHC	<0.005	<0.005	107	80-120	111	70-130	14	≤20
Beta-BHC	<0.005	<0.005	101	80-120	95	70-130	6	≤20
Gamma-BHC	<0.005	<0.005	100	80-120	94	70-130	12	≤20

## TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)

Calibration Certificate



**Cal Lab Limited 校正實驗室有限公司**

Room 2103, Technology Plaza, 29-35 Sha Tsui Road,  
Tsuen Wan, NT, Hong Kong  
Tel: +852 25680106 Email: info@callab.com.hk  
Fax: +852 30116194 Website: www.callab.com.hk

**Calibration Certificate No.: CC0612302**

**Customer Information**

Customer: CMA Testing and Certification Laboratories  
Address: Room 1302, Yan Hing Centre, 9-13 Wong Chuk Yeung Street, Fotan, Shatin, NT, Hong Kong

**Equipment Identification**

Equipment Description	Manufacturer	Model No.	Serial No.	Assigned equipment No.:
Multiparameter Instrument	YSI	Professional Plus	Meter: 17H105750	N/A

**Certificate Information**

Date of Receipt:	23 February 2023	Calibration Condition:	18-25°C, <75%RH
Date of Calibration:	27 February 2023	Adjustment:	N/A
Due Date of Calibration:	27 May 2023	Appearance:	Good
Calibration Procedure:	APHA 21e 4500-H B ,APHA 21e 4500-O G, APHA 21e 2510 B, JIG 130-2011, APHA 21e 2520 B, APHA 21e 2580 B	Remark:	N/A

- Note1: The estimated expanded uncertainties have been calculated in "Evaluation and expression of uncertainty in measurement" and give an internal estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.
- Note2: The standard (s) and instrument used in the calibration are traceable to national or international recognized standard and are calibrated on a schedule to maintain the accuracy and good condition.
- Note3: The result reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long term stability of the instrument.
- Note4: The result shows in this calibration certificate relate only to the item calibrated, and the result only applies to the calibration item as received.

Approved By:

  
Warren Yeung

Company Chop:



Certificate Issue Date: 29 February 2023

CT-BEG-03

1. The certificate shall not be reproduced except in full, without written approval of Cal Lab Calibration  
2. The certificate is issued subject to the latest Terms and Conditions, available at our web site

CC0612302  
Page 1 of 2

## TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)



**Cal Lab Limited 校正實驗室有限公司**

Room 2103, Technology Plaza, 29-35 Sha Tsui Road,  
Tsuen Wan, NT, Hong Kong  
Tel: +852 25680106 Email: info@callab.com.hk  
Fax: +852 30116194 Website: www.callab.com.hk

**Result of Calibration**

a) Temperature

Reference reading (°C)	Display Reading (°C)	Error of indication (°C)
15.04	15.2	0.2
25.01	24.9	-0.1
34.91	34.8	-0.1

b) Dissolved Oxygen

Reference reading (mg/L)	Display Reading (mg/L)	Error of indication (mg/L)
0.00	0.00	0.00
4.02	3.95	-0.07
8.06	8.02	-0.04

c) Conductivity at 25°C

Reference reading (uS/cm)	Display Reading (uS/cm)	Error of indication (%)
147.4	153.2	3.9
1411	1343	-4.8
12846	11998	-6.6
111310	110467	-0.8

d) Salinity

Reference reading (ppt)	Display Reading (ppt)	Error of indication (%)
10	9.79	-2.1
20	20.07	0.4
30	29.74	-0.9

Oxidation-Reduction Potential (ORP)

Reference reading (mV)	Display Reading (mV)	Error of indication (mV)
+230	+233	3

e) pH at 25°C

Reference reading	Display Reading	Error of indication
4.00	4.08	0.08
6.86	6.94	0.08
9.18	9.27	0.09
10.01	10.02	0.01

\*\*\* End of Certificate \*\*\*

1. The certificate shall not be reproduced except in full, without written approval of Cal Lab Calibration  
2. The certificate is issued subject to the latest Terms and Conditions, available at our web site

# TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)



**Cal Lab Limited 校正實驗室有限公司**

Room 2103, Technology Plaza, 29-35 Sha Tsui Road,  
Tsuen Wan, NT, Hong Kong  
Tel: +852 25680106 Email: info@callab.com.hk  
Fax: +852 30116194 Website: www.callab.com.hk

**Calibration Certificate No.: CC0362303**

**Customer Information**

Customer: CMA Testing and Certification Laboratories  
Address: Room 1302, Yan Hing Centre, 9-13 Wong Chuk Yeung Street, Fotan, Shatin, NT, Hong Kong

**Equipment Identification**

Equipment Description	Manufacturer	Model No.	Serial No.	Assigned equipment No.:
Portable Turbidimeter	Hach	2100Q	17070C059801	N/A

**Certificate Information**

Date of Receipt:	17 March 2023	Calibration Condition:	18-25°C, <75%RH
Date of Calibration:	20 March 2023	Adjustment:	N/A
Due Date of Calibration:	20 June 2023	Appearance:	Good
Calibration Procedure:	APHA 21e 2130B	Remark:	N/A

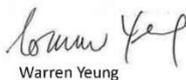
**Result of Calibration**

**Turbidity**

Reference reading (NTU)	Display Reading (NTU)	Error of indication (%)
Blank	0.00	0.0
10	10.2	2.0
20	20.5	2.5
100	97.0	-3.0
800	796	-0.6

- Note1: The estimated expanded uncertainties have been calculated in "Evaluation and expression of uncertainty in measurement" and give an internal estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.  
Note2: The standard (s) and instrument used in the calibration are traceable to national or international recognized standard and are calibrated on a schedule to maintain the accuracy and good condition.  
Note3: The result reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long term stability of the instrument.  
Note4: The result shows in this calibration certificate relate only to the item calibrated, and the result only applies to the calibration item as received.

Approved By:



Warren Yeung

Company Chop:



Certificate Issue Date: 23 March 2023

CT-BEG-03

\*\*\* End of Certificate \*\*\*

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CC0362303  
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## TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)



### TEST REPORT

Report No. : A00004275(7) Date : 17 May 2023

Application No. : LA031475(9)

Applicant : SEWAGE TREATMENT DIVISION 2  
ELECTRICAL AND MECHANICAL BRANCH  
DRAINAGE SERVICES DEPARTMENT

Applicant : STONECUTTERS ISLAND SEWAGE TREATMENT WORKS.,  
NGONG SHUNG ROAD, NGONG SHUEN CHAU,  
KOWLOON, HONG KONG

Instrument : HACH Portable Colorimeter (DR300)

Serial No. : 19030A000277

Date Received : 01 Mar 2023.

Test Period : 01 Mar 2023 to 03 Mar 2023.

Date of next checking : 30 May 2023.

Test Method : APHA 23e 4500Cl-G

Test Result : Refer to the results on page 2.

*For and on behalf of*  
CMA Industrial Development Foundation Limited

Authorized Signature :  \_\_\_\_\_ Page 1 of 2

Lee Hoi Yung, Benson  
Deputy Manager

The conformity statement stated in Conclusion above is based on the decision rule agreed with applicant and listed in [www.cmatesting.org/qac/statement-of-conformity.pdf](http://www.cmatesting.org/qac/statement-of-conformity.pdf).  
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This document shall not be reproduced except in full without written approval by CMA Testing. The results apply to the sample as received unless otherwise specified. The observations and test results in this report are relevant only to the sample tested. Information on Applicant, Buyer, Importer, Supplier, Manufacturer, Client, Factory, Consignee, Vendor, Distributor, and Sample Description except sampling and delivery information, if applicable, are provided by client unless otherwise specified.

**CMA Industrial Development Foundation Limited**  
Room 1302, Yan Hing Centre, 9-13 Wong Chuk Yeung St., Fo Tan, Shatin, N.T., Hong Kong.  
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## TEST REPORT

Report No. : A00018445(0)

Date: 17 May 2023

Application No. : L0011326(2)



### TEST REPORT

Report No. : A00004275(7) Date : 17 May 2023

Application No. : LA031475(9)

Test Result :

Test Item	Reference reading (mg/L)	Display Reading (mg/L)	Error of indication (%)
Chlorine	1.00	1.02	2

\*\*\*\*\* End of Report \*\*\*\*\*

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CMA Industrial Development Foundation Limited  
Room 1302, Yan Hing Centre, 9-13 Wong Chuk Yeung St., Fo Tan, Shatin, N.T., Hong Kong.  
Tel: (852) 2698 8198 Fax: (852) 2695 4177 E-mail: [info@cmatesting.org](mailto:info@cmatesting.org) Web Site: <http://www.cmatesting.org>

\*\*\*\*\* End of Report \*\*\*\*\*

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