

TEST REPORT

REPORT NO:-QMTL/R-80702

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
ATTN: Mr. JASMAN PINTO		
Product: Water	Sampling Method: NA	Sample ID: QMTL/S-80702
Reference: SERCO MIDDLE EAST Site: ADIA- BUSINESS RECOVERY CENTRE (BRC)	Sampled By: Client Representative	Date Received: 19.11.2019
Sample Description: Ground Floor, Chilled Water Sample Onsite Temp: 10°C Sample Receipt Temp: 15.4°C	Source: Valve	Date(s) Tested: 19-21.11.2019
	Sample Container: 1x500 ml PB	Date Reported: 25.11.2019
	Sample Appearance: Clear	Date of Sampling/Time: NA
On-Site Treatment: NA	Tested by Emp#: 74 & 55	Location: AUH

TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 RD EDITION)	UNITS	SPECIFICATIONS	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<1
Total Coliforms	APHA 9222 B	CFU/100ml	-	Zero
Faecal coliform	APHA 9222 D	CFU/100ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E	CFU/100ml	-	Zero
Escherichia coli	APHA 9222 H & I	CFU/100ml	-	Zero

REMARKS: The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 61

Test Method deviation : None

The above test results are only applicable to the sample(s) referred above

Reported By

ANILA GEORGE
LABORATORY MANAGER

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END OF REPORT

TEST REPORT

REPORT NO:-QMTL/R-80703

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
ATTN: Mr. JASMAN PINTO		
Product: Water	Sampling Method: NA	Sample ID: QMTL/S-80703
Reference: SERCO MIDDLE EAST Site: ADIA- BUSINESS RECOVERY CENTRE (BRC)	Sampled By: Client Representative	Date Received: 19.11.2019
Sample Description: Ground Floor, Chiller Yard Sample Onsite Temp: 10°C Sample Receipt Temp: 15.4°C	Source: Valve	Date(s) Tested: 19-21.11.2019
	Sample Container: 1x500 ml PB	Date Reported: 25.11.2019
	Sample Appearance: Clear	Date of Sampling/Time: NA
On-Site Treatment: NA	Tested by Emp#: 74 & 55	Location: AUH

TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 RD EDITION)	UNITS	SPECIFICATIONS	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<1
Total Coliforms	APHA 9222 B	CFU/100ml	-	Zero
Faecal coliform	APHA 9222 D	CFU/100ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E	CFU/100ml	-	Zero
Escherichia coli	APHA 9222 H & I	CFU/100ml	-	Zero

REMARKS: The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 61

Test Method deviation : None

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END OF REPORT

TEST REPORT

REPORT NO:-QMTL/R-80704

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
ATTN: Mr. JASMAN PINTO		
Product: Water	Sampling Method: NA	Sample ID: QMTL/S-80704
Reference: SERCO MIDDLE EAST Site: ADIA- BUSINESS RECOVERY CENTRE (BRC)	Sampled By: Client Representative	Date Received: 19.11.2019
Sample Description: Mezzanine Floor, Chilled Water Sample Onsite Temp: 13°C Sample Receipt Temp: 15.4°C	Source: Valve	Date(s) Tested: 19-21.11.2019
	Sample Container: 1x500 ml PB	Date Reported: 25.11.2019
	Sample Appearance: Clear	Date of Sampling/Time: NA
On-Site Treatment: NA	Tested by Emp#: 74 & 55	Location: AUH

TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 RD EDITION)	UNITS	SPECIFICATIONS	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	<1
Total Coliforms	APHA 9222 B	CFU/100ml	-	Zero
Faecal coliform	APHA 9222 D	CFU/100ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E	CFU/100ml	-	Zero
Escherichia coli	APHA 9222 H & I	CFU/100ml	-	Zero

REMARKS: The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 61

Test Method deviation : None

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END OF REPORT



CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	19-11-2019
Sampled By	Crystalline Rep	Sample Location	ADIA -BRC
Sample Type	Chilled Water	Sample Point	G-Floor Chilled Water

TEST RESULT			
No	PARAMETER	CONTROL LIMITS	TEST RESULTS
1	pH at 25°C	9.0 - 10.5	9.47
2	Conductivity at 25°C, µs/cm	Max 3500	2162
3	TDS, ppm	---	1405
4	Iron, ppm as Fe	0 - 2.0	0.37
5	Nitrite, ppm.	>800	1080
6	Dip slide	<10 ³	ND

*** All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos).

COMMENTS AND RECOMMENDATIONS
<ul style="list-style-type: none"> pH Levels are satisfactory - No action recommended. Nitrite Levels are satisfactory - No action recommended.

Reported By,
Murugara
Service Engineer





CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	19-11-2019
Sampled By	Crystalline Rep	Sample Location	ADIA -BRC
Sample Type	Chilled Water	Sample Point	M-Floor Chilled Water

TEST RESULT			
No	PARAMETER	CONTROL LIMITS	TEST RESULTS
1	pH at 25°C	9.0 - 10.5	9.44
2	Conductivity at 25°C, µs/cm	Max 3500	2160
3	TDS, ppm	---	1404
4	Iron, ppm as Fe	0 - 2.0	0.32
5	Nitrite, ppm.	>800	1120
6	Dip slide	<10 ³	ND

*** All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos).

COMMENTS AND RECOMMENDATIONS
<ul style="list-style-type: none"> pH Levels are satisfactory – No action recommended. Nitrite Levels are satisfactory – No action recommended.

Reported By,
Murugara
Murugara
Service Engineer



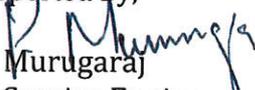
CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	19-11-2019
Sampled By	Crystalline Rep	Sample Location	ADIA -BRC
Sample Type	Chilled Water	Sample Point	G-Floor Chiller Yard

TEST RESULT			
No	PARAMETER	CONTROL LIMITS	TEST RESULTS
1	pH at 25°C	9.0 - 10.5	9.43
2	Conductivity at 25°C, µs/cm	Max 3500	2240
3	TDS, ppm	---	1456
4	Iron, ppm as Fe	0 - 2.0	0.42
5	Nitrite, ppm.	>800	1170
6	Dip slide	<10 ³	ND

*** All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos).

COMMENTS AND RECOMMENDATIONS
<ul style="list-style-type: none"> pH Levels are satisfactory - No action recommended. Nitrite Levels are satisfactory - No action recommended.

Reported By,

 Murugara
 Service Engineer

