

TEST REPORT

Report No: QMTL/R-120014/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-120014
ATTN : MR. JASMAN PINTO		Date Received	03 Sep 2020
		Date(s) Tested	03 Sep 2020 - 05 Sep 2020
		Date Reported	12 Sep 2020
Sample Description	L-4, Cooling Tower - 1		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	03.09.2020 / 11:30 AM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
Sample Receipt Temp	4°C	Sample Onsite Temp	35°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL ANALYSIS				
E.coli	APHA 9222 H & I (23rd Edition)	CFU/100 ml	-	Zero
Fecal coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	-	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10,000	23
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	-	Zero

Remarks	The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable, WI: Work Instruction
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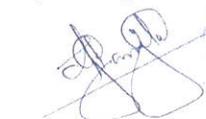
Test method deviation	None
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Test performed by Emp#	55 & 74
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Report prepared by Emp#	72
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The above test results are only applicable to the sample(s) referred above.

Reported By




ANILA GEORGE
LABORATORY MANAGER

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END OF REPORT

TEST REPORT

Report No: QMTL/R-120016/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-120016
ATTN : MR. JASMAN PINTO		Date Received	03 Sep 2020
		Date(s) Tested	03 Sep 2020 - 05 Sep 2020
		Date Reported	12 Sep 2020
Sample Description	L-4, Cooling Tower - 3		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	03.09.2020 / 12:00 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
Sample Receipt Temp	4°C	Sample Onsite Temp	29.3°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL ANALYSIS				
E.coli	APHA 9222 H & I (23rd Edition)	CFU/100 ml	-	Zero
Fecal coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	-	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10,000	12
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	-	Zero

Remarks	The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable, WI: Work Instruction
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Test method deviation	None
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Test performed by Emp#	55 & 74
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Report prepared by Emp#	72
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Report No: QMTL/R-120017/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-120017	
	Date Received	03 Sep 2020	
	Date(s) Tested	03 Sep 2020 - 05 Sep 2020	
	Date Reported	12 Sep 2020	
Sample Description	L-4, Cooling Tower - 4		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	03.09.2020 / 12:15 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower Basin
Sample Receipt Temp	4°C	Sample Onsite Temp	29.2°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL ANALYSIS				
E.coli	APHA 9222 H & I (23rd Edition)	CFU/100 ml	-	Zero
Fecal coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	-	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10,000	8
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	-	Zero

Remarks	The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable, WI: Work Instruction
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Test method deviation	None
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Test performed by Emp#	55 & 74
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Report prepared by Emp#	72
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Report No: QMTL/R-120018/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-120018
		Date Received	03 Sep 2020
		Date(s) Tested	03 Sep 2020 - 05 Sep 2020
ATTN : MR. JASMAN PINTO		Date Reported	12 Sep 2020
Sample Description	P1, Hydrotherapy Pool		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	03.09.2020 / 12:30 PM
Sample Container	1x500ml PB	Sampling Point	Pool
Sample Receipt Temp	4°C	Sample Onsite Temp	24.1°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total bacterial count(Dip slide)	Kit Method	CFU/ml	1000	<1

Remarks	The sample meets DM Public swimming pool safety guidelines(2019,Doc Ref.:DM-PH&SD-GU81-PSPS2) specifications for Pool Water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable, WI: Work Instruction, Doc Ref.: Document Reference
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Test method deviation	None
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Test performed by Emp#	55 & 74
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Report prepared by Emp#	72
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TEST REPORT

Report No: QMTL/R-120019/2020

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017 ATTN: Mr. JASMAN PINTO		Sample ID	QMTL/S-120019
		Date Received	03 Sept 2020
		Date(s) Tested	03 Sept 2020-06 Sept 2020
		Date Reported	08 Sept 2020
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 05		
Sample Type	Water	Sampling Method	QMTL-SOP-128
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	03.09.2020/ 12:45 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample On-site Temp	37.2°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 rd EDITION)	UNITS	LIMITS	RESULTS
CHEMICAL ANALYSIS				
pH @24.3°C*	APHA 4500-H ⁺ B	--	Min 7.0 – Max 9.2	7.42
Conductivity @24.2°C*	APHA 2510	µs/cm	-	207.4
Total Dissolved Solids@180°C*	APHA 2540-C	mg/L	Min100 – Max 1000	134
Chloride*	APHA 4500-Cl ⁻ B	mg/L	Max 250	54.6
Calcium Hardness as (CaCO ₃)*	APHA 3500-Ca B	mg/L	Max 200	54.4
Total Hardness as (CaCO ₃)*	APHA 2340-C	mg/L	Max 300	62.1
Iron*	APHA 3120 B	mg/L	Max 0.2	<0.05
Copper*	APHA 3120 B	mg/L	Max 1.0	<0.05
Silver*	APHA 3120 B	mg/L	Max 5.0	<0.05

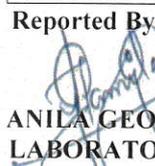
The Analysis results denoted by (*) are part of the laboratory ENAS Accreditation to ISO /IEC 17025:2017

Remarks	The sample meets RSB Water Quality Regulations (4 th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	pH: Potential Hydrogen, APHA: American Public Health Association, NA: Not Applicable, RSB: Regulation & Supervision Bureau, SOP: Standard Operating Procedure, NP: Not Provided.
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Test Method Deviation	None
Test performed by Emp#	13
Report prepared by Emp#	90
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TEST REPORT

Report No: QMTL/R-120020/2020

CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017 ATTN: Mr. JASMAN PINTO		Sample ID	QMTL/S-120020
		Date Received	03 Sept 2020
		Date(s) Tested	03 Sept 2020-06 Sept 2020
		Date Reported	08 Sept 2020
Sample Description	Copper - Silver Ionisation – P2 Water Tank # 06		
Sample Type	Water	Sampling Method	QMTL-SOP-128
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	03.09.2020/ 01:00 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample On-site Temp	20.6°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 rd EDITION)	UNITS	LIMITS	RESULTS
CHEMICAL ANALYSIS				
pH @24.4°C*	APHA 4500-H ⁺ B	--	Min 7.0 – Max 9.2	7.37
Conductivity @24.4°C*	APHA 2510	µs/cm	-	216
Total Dissolved Solids@180°C*	APHA 2540-C	mg/L	Min100 – Max 1000	136
Chloride*	APHA 4500-Cl ⁻ B	mg/L	Max 250	54.9
Calcium Hardness as (CaCO ₃)*	APHA 3500-Ca B	mg/L	Max 200	56.3
Total Hardness as (CaCO ₃)*	APHA 2340-C	mg/L	Max 300	64
Iron*	APHA 3120 B	mg/L	Max 0.2	<0.05
Copper*	APHA 3120 B	mg/L	Max 1.0	<0.05
Silver*	APHA 3120 B	mg/L	Max 5.0	<0.05

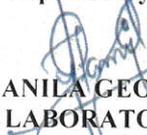
The Analysis results denoted by (*) are part of the laboratory ENAS Accreditation to ISO /IEC 17025:2017

Remarks	The sample meets RSB Water Quality Regulations (4 th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	pH: Potential Hydrogen, APHA: American Public Health Association, NA: Not Applicable, RSB: Regulation & Supervision Bureau, SOP: Standard Operating Procedure, NP: Not Provided.
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Test Method Deviation	None
Test performed by Emp#	13
Report prepared by Emp#	90
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