

TEST REPORT

Report No: QMTL/R-143478/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-143478
ATTN : MR. JASMAN PINTO		Date Received	12 Jan 2021
		Date(s) Tested	12 Jan 2021 - 14 Jan 2021
		Date Reported	18 Jan 2021
Sample Description	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	12.01.2021 / 1:20 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4°C	Sample Onsite Temp	23°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL PARAMETERS				
Total Bacterial Count*	APHA 9215 B -23rd Edition	CFU/ml	10,000	190
Total Coliforms*	APHA 9222 B -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
E.coli*	APHA 9222 H & I -23rd Edition	CFU/100 ml	-	Zero

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

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#	103 & 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-143479/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-143479
ATTN : MR. JASMAN PINTO		Date Received	12 Jan 2021
		Date(s) Tested	12 Jan 2021 - 14 Jan 2021
		Date Reported	18 Jan 2021
Sample Description	Cooling Tower -2		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	12.01.2021 / 1:30 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4°C	Sample Onsite Temp	24.8°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL PARAMETERS				
Total Bacterial Count*	APHA 9215 B -23rd Edition	CFU/ml	10,000	260
Total Coliforms*	APHA 9222 B -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
E.coli*	APHA 9222 H & I -23rd Edition	CFU/100 ml	-	Zero

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

Remarks	The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.
Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable, WI: Work Instruction
Test method deviation	None
Test performed by Emp#	103 & 74
Report prepared by Emp#	72
The above test results are only applicable to the sample(s) referred above.	

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TEST REPORT

Report No: QMTL/R-143480/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-143480
ATTN : MR. JASMAN PINTO		Date Received	12 Jan 2021
		Date(s) Tested	12 Jan 2021 - 14 Jan 2021
		Date Reported	18 Jan 2021
Sample Description	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	12.01.2021 / 1:40 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4°C	Sample Onsite Temp	25°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL PARAMETERS				
Total Bacterial Count*	APHA 9215 B -23rd Edition	CFU/ml	10,000	250
Total Coliforms*	APHA 9222 B -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
E.coli*	APHA 9222 H & I -23rd Edition	CFU/100 ml	-	Zero

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

Remarks	The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.
Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable, WI: Work Instruction
Test method deviation	None
Test performed by Emp#	103 & 74
Report prepared by Emp#	72
The above test results are only applicable to the sample(s) referred above.	

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TEST REPORT

Report No: QMTL/R-143481/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-143481
ATTN : MR. JASMAN PINTO		Date Received	12 Jan 2021
		Date(s) Tested	12 Jan 2021 - 14 Jan 2021
		Date Reported	18 Jan 2021
Sample Description	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	12.01.2021 / 1:50 PM
Sample Container	1x500ml PB	Sampling Point	Cooling Tower
Sample Receipt Temp	4°C	Sample Onsite Temp	23.8°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL PARAMETERS				
Total Bacterial Count*	APHA 9215 B -23rd Edition	CFU/ml	10,000	290
Total Coliforms*	APHA 9222 B -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
E.coli*	APHA 9222 H & I -23rd Edition	CFU/100 ml	-	Zero

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

Remarks	The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.
Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable, WI: Work Instruction
Test method deviation	None
Test performed by Emp#	103 & 74
Report prepared by Emp#	72
The above test results are only applicable to the sample(s) referred above.	

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TEST REPORT

Report No: QMTL/R-143487/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates	Sample ID	QMTL/S-143487	
	Date Received	12 Jan 2021	
	Date(s) Tested	12 Jan 2021 - 15 Jan 2021	
	ATTN : MR. JASMAN PINTO	Date Reported	24 Jan 2021
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	12.01.2021/ 11:45 AM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample Onsite Temp	28°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
PHYSICAL PARAMETERS				
Conductivity*	APHA 2510 B-23rd Edition	µs/cm	-	211@24.2°C
pH*	APHA 4500 H+B-23rd Edition	-	Min 7.0-Max 9.2	7.66@24.2°C
Total Dissolved Solids*	APHA 2540-C-23rd Edition	mg/L	Min 100-Max 1000	137
CHEMICAL PARAMETERS				
Calcium Hardness*	APHA 3500 Ca B-23rd Edition	mg/L	Max 200	54.5
Chloride*	APHA 4500 Cl ⁻ B-23rd Edition	mg/L	Max 250	42.5
Total Hardness as (CaCO ₃)*	APHA 2340-C-23rd Edition	mg/L	Max 300	65.1
METALS				
Copper*	APHA 3120 B-23rd Edition	mg/L	Max 1.0	<0.05
Iron*	APHA 3120 B-23rd Edition	mg/L	Max 0.20	<0.05
Silver*	APHA 3120 B-23rd Edition	mg/L	-	<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 (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
Keywords	pH: Potential Hydrogen, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, SOP: Standard Operating Procedure, NA: Not Applicable, NP: Not Provided.
Test method deviation	None
Test performed by Emp#	13
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

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TEST REPORT

Report No: QMTL/R-143488/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates	Sample ID	QMTL/S-143488	
	Date Received	12 Jan 2021	
	Date(s) Tested	12 Jan 2021 - 15 Jan 2021	
	Date Reported	24 Jan 2021	
ATTN : MR. JASMAN PINTO			
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	12.01.2021/ 11:50 AM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	18°C	Sample Onsite Temp	22°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
PHYSICAL PARAMETERS				
Conductivity*	APHA 2510 B-23rd Edition	µs/cm	-	208.5@24.2°C
pH*	APHA 4500 H+B-23rd Edition	-	Min 7.0-Max 9.2	7.55@24.2°C
Total Dissolved Solids*	APHA 2540-C-23rd Edition	mg/L	Min 100-Max 1000	135
CHEMICAL PARAMETERS				
Calcium Hardness*	APHA 3500 Ca B-23rd Edition	mg/L	Max 200	56.7
Chloride*	APHA 4500 Cl ⁻ B-23rd Edition	mg/L	Max 250	43.5
Total Hardness as (CaCO ₃)*	APHA 2340-C-23rd Edition	mg/L	Max 300	66.2
METALS				
Copper*	APHA 3120 B-23rd Edition	mg/L	Max 1.0	<0.05
Iron*	APHA 3120 B-23rd Edition	mg/L	Max 0.20	<0.05
Silver*	APHA 3120 B-23rd Edition	mg/L	-	<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 (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
Keywords	pH: Potential Hydrogen, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, SOP: Standard Operating Procedure, NA: Not Applicable, NP: Not Provided.
Test method deviation	None
Test performed by Emp#	13
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

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TEST REPORT

Report No: QMTL/R-143629/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-143629
ATTN : MR. JASMAN PINTO		Date Received	13 Jan 2021
		Date(s) Tested	13 Jan 2021 - 15 Jan 2021
		Date Reported	18 Jan 2021
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	13.01.2021 / 10:00 AM
Sample Container	Dipslide	Sampling Point	Pool
Sample Receipt Temp	4°C	Sample Onsite Temp	NP
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL PARAMETERS				
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.			
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			
Test method deviation	None			
Test performed by Emp#	103 & 74			
Report prepared by Emp#	72			
The above test results are only applicable to the sample(s) referred above.				

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