

TEST REPORT

Report No: QMTL/R-142231/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-142231
ATTN : MR. JASMAN PINTO		Date Received	05 Jan 2021
		Date(s) Tested	05 Jan 2021 - 07 Jan 2021
		Date Reported	12 Jan 2021
Sample Description	L4, 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	05.01.2021 / 1:50 PM
Sample Container	1x500ml PB	Sampling Point	Tower
Sample Receipt Temp	4°C	Sample Onsite Temp	22.8°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	120
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-142232/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-142232
ATTN : MR. JASMAN PINTO		Date Received	05 Jan 2021
		Date(s) Tested	05 Jan 2021 - 07 Jan 2021
		Date Reported	12 Jan 2021
Sample Description	L4, 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	05.01.2021 / 2:00 PM
Sample Container	1x500ml PB	Sampling Point	Tower
Sample Receipt Temp	4°C	Sample Onsite Temp	24.2°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	88
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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Report No: QMTL/R-142233/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-142233
ATTN : MR. JASMAN PINTO		Date Received	05 Jan 2021
		Date(s) Tested	05 Jan 2021 - 07 Jan 2021
		Date Reported	12 Jan 2021
Sample Description	L4, 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	05.01.2021 / 2:50 PM
Sample Container	1x500ml PB	Sampling Point	Tower
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 PARAMETERS				
Total Bacterial Count*	APHA 9215 B -23rd Edition	CFU/ml	10,000	100
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
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Report No: QMTL/R-142234/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-142234
ATTN : MR. JASMAN PINTO		Date Received	05 Jan 2021
		Date(s) Tested	05 Jan 2021 - 07 Jan 2021
		Date Reported	12 Jan 2021
Sample Description	L4, 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	05.01.2021 / 3:00 PM
Sample Container	1x500ml PB	Sampling Point	Tower
Sample Receipt Temp	4°C	Sample Onsite Temp	26°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	95
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-142228/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-142228
ATTN : MR. JASMAN PINTO		Date Received	05 Jan 2021
		Date(s) Tested	05 Jan 2021 - 07 Jan 2021
		Date Reported	12 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	05.01.2021 / 1:15 PM
Sample Container	Dipslide	Sampling Point	Small Pool
Sample Receipt Temp	4°C	Sample Onsite Temp	20.2°C
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-PPSP2) 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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Report No: QMTL/R-142229/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-142229
ATTN : MR. JASMAN PINTO		Date Received	05 Jan 2021
		Date(s) Tested	05 Jan 2021 - 08 Jan 2021
		Date Reported	19 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	05.01.2021/ 02:00 PM
Sample Container	1x500ml PB	Sampling Point	GRP Tank
Sample Receipt Temp	18°C	Sample Onsite Temp	30.4°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	-	207.8@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	134
CHEMICAL PARAMETERS				
Calcium Hardness*	APHA 3500 Ca B-23rd Edition	mg/L	Max 200	60.4
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	64.1
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 Procedures, NP: Not Provided, NA: Not Applicable.
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-142230/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates	Sample ID	QMTL/S-142230	
ATTN : MR. JASMAN PINTO	Date Received	05 Jan 2021	
	Date(s) Tested	05 Jan 2021 - 08 Jan 2021	
	Date Reported	19 Jan 2021	
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	05.01.2021/ 02:10 PM
Sample Container	1x500ml PB	Sampling Point	GRP Tank
Sample Receipt Temp	18°C	Sample Onsite Temp	18.2°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	-	210@24.2°C
pH*	APHA 4500 H+B-23rd Edition	-	Min 7.0-Max 9.2	7.69@24.2°C
Total Dissolved Solids*	APHA 2540-C-23rd Edition	mg/L	Min 100-Max 1000	136
CHEMICAL PARAMETERS				
Calcium Hardness*	APHA 3500 Ca B-23rd Edition	mg/L	Max 200	60.4
Chloride*	APHA 4500 Cl ⁻ B-23rd Edition	mg/L	Max 250	43.0
Total Hardness as (CaCO ₃)*	APHA 2340-C-23rd Edition	mg/L	Max 300	64.1
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 Procedures, NP: Not Provided, NA: Not Applicable.
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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