

TEST REPORT

Report No: QMTL/R-110923/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-110923	
	Date Received	11 Jul 2020	
	Date(s) Tested	11 Jul 2020 - 13 Jul 2020	
	Date Reported	14 Jul 2020	
Sample Description	Main Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 10:00 AM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	39.6°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	<1
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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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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TEST REPORT

Report No: QMTL/R-110924/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO		Sample ID	QMTL/S-110924
		Date Received	11 Jul 2020
		Date(s) Tested	11 Jul 2020 - 13 Jul 2020
		Date Reported	14 Jul 2020
Sample Description	A4A5 Building - Ambient Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 10:20 AM
Sample Container	1x500ml PB	Sampling Point	RCC Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	35.7°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	<1
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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TEST REPORT

Report No: QMTL/R-110925/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-110925	
	Date Received	11 Jul 2020	
	Date(s) Tested	11 Jul 2020 - 13 Jul 2020	
	Date Reported	14 Jul 2020	
Sample Description	A4A5 Building - Cold Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 10:30 AM
Sample Container	1x500ml PB	Sampling Point	GRP Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	19.4°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	8
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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TEST REPORT

Report No: QMTL/R-110926/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-110926
ATTN : MR. JASMAN PINTO		Date Received	11 Jul 2020
		Date(s) Tested	11 Jul 2020 - 13 Jul 2020
		Date Reported	14 Jul 2020
Sample Description	A6D2 Building - Ambient Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 11:00 AM
Sample Container	1x500ml PB	Sampling Point	RCC Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	25.7°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	2
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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TEST REPORT

Report No: QMTL/R-110927/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-110927
ATTN : MR. JASMAN PINTO		Date Received	11 Jul 2020
		Date(s) Tested	11 Jul 2020 - 13 Jul 2020
		Date Reported	14 Jul 2020
Sample Description	A6D2 Building - Cold Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 11:10 AM
Sample Container	1x500ml PB	Sampling Point	GRP Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	19.1°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	1
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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TEST REPORT

Report No: QMTL/R-110928/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-110928		
	Date Received	11 Jul 2020		
	Date(s) Tested	11 Jul 2020 - 13 Jul 2020		
	Date Reported	14 Jul 2020		
Sample Description	C3B2 Building - Ambient Water Tank			
Sample Type	Water	Sampling Method	QMTL-WI-15	
Client Name/Project	NP	Sampled By	QMTL Representative	
Location	NYUAD	Sampling Date/Time	11.07.2020/ 11:50 AM	
Sample Container	1x500ml PB	Sampling Point	RCC Tank	
Sample Receipt Temp	4.5°C	Sample Onsite Temp	29°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	9
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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TEST REPORT

Report No: QMTL/R-110929/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-110929		
	Date Received	11 Jul 2020		
	Date(s) Tested	11 Jul 2020 - 13 Jul 2020		
	Date Reported	14 Jul 2020		
Sample Description	C3B2 Building - Cold Water Tank			
Sample Type	Water	Sampling Method	QMTL-WI-15	
Client Name/Project	NP	Sampled By	QMTL Representative	
Location	NYUAD	Sampling Date/Time	11.07.2020/ 12:00 PM	
Sample Container	1x500ml PB	Sampling Point	GRP Tank	
Sample Receipt Temp	4.5°C	Sample Onsite Temp	18.8°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	3
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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TEST REPORT

Report No: QMTL/R-110930/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO		Sample ID	QMTL/S-110930
		Date Received	11 Jul 2020
		Date(s) Tested	11 Jul 2020 - 13 Jul 2020
		Date Reported	14 Jul 2020
Sample Description	Irrigation Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 12:30 PM
Sample Container	1x500ml PB	Sampling Point	Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	31.8°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	23	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	23	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	-	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	-	3x10 ²
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	-	Zero

Remarks	The sample meets RSB Recycled Water and Biosolids Regulations 2018 requirements for irrigation water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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END OF REPORT

TEST REPORT

Report No: QMTL/R-110931/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-110931
ATTN : MR. JASMAN PINTO		Date Received	11 Jul 2020
		Date(s) Tested	11 Jul 2020 - 13 Jul 2020
		Date Reported	14 Jul 2020
Sample Description	C2 Building - Ambient Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 1:20 PM
Sample Container	1x500ml PB	Sampling Point	RCC Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	33.6°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	5
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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END OF REPORT

TEST REPORT

Report No: QMTL/R-110932/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-110932
ATTN : MR. JASMAN PINTO		Date Received	11 Jul 2020
		Date(s) Tested	11 Jul 2020 - 13 Jul 2020
		Date Reported	14 Jul 2020
Sample Description	C2 Building - Cold Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 1:30 PM
Sample Container	1x500ml PB	Sampling Point	GRP Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	22°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	<1
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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TEST REPORT

Report No: QMTL/R-110933/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-110933
ATTN : MR. JASMAN PINTO		Date Received	11 Jul 2020
		Date(s) Tested	11 Jul 2020 - 13 Jul 2020
		Date Reported	14 Jul 2020
Sample Description	C1B1 Building - Ambient Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 2:00 PM
Sample Container	1x500ml PB	Sampling Point	RCC Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	32.4°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	8
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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TEST REPORT

Report No: QMTL/R-110934/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-110934	
	Date Received	11 Jul 2020	
	Date(s) Tested	11 Jul 2020 - 13 Jul 2020	
	Date Reported	14 Jul 2020	
Sample Description	C1B1 Building - Cold Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 2:10 PM
Sample Container	1x500ml PB	Sampling Point	GRP Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	25.4°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	<1
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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TEST REPORT

Report No: QMTL/R-110935/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-110935
		Date Received	11 Jul 2020
		Date(s) Tested	11 Jul 2020 - 13 Jul 2020
ATTN : MR. JASMAN PINTO		Date Reported	14 Jul 2020
Sample Description	A1D1 Building - Ambient Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 2:50 PM
Sample Container	1x500ml PB	Sampling Point	RCC Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	33.4°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	9
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NP: Not Provided, NA: Not Applicable, WI: Work Instruction
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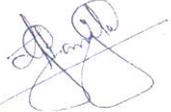
Test method deviation	None
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Test performed by Emp#	55 & 74
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Report prepared by Emp#	22
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The above test results are only applicable to the sample(s) referred above.

Reported By




ANILA GEORGE

LABORATORY MANAGER

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END OF REPORT

TEST REPORT

Report No: QMTL/R-110936/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-110936
		Date Received	11 Jul 2020
		Date(s) Tested	11 Jul 2020 - 13 Jul 2020
ATTN : MR. JASMAN PINTO		Date Reported	14 Jul 2020
Sample Description	A1D1 Building - Cold Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 3:00 PM
Sample Container	1x500ml PB	Sampling Point	GRP Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	22.2°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	9
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
---------	--

Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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The above test results are only applicable to the sample(s) referred above.

Reported By




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END OF REPORT

TEST REPORT

Report No: QMTL/R-110937/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO		Sample ID	QMTL/S-110937
		Date Received	11 Jul 2020
		Date(s) Tested	11 Jul 2020 - 13 Jul 2020
		Date Reported	14 Jul 2020
Sample Description	A2A3 Building - Ambient Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 3:10 PM
Sample Container	1x500ml PB	Sampling Point	RCC Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	29.8°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	4
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NP: Not Provided, NA: Not Applicable, WI: Work Instruction
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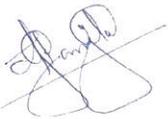
Test method deviation	None
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Test performed by Emp#	55 & 74
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Report prepared by Emp#	22
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The above test results are only applicable to the sample(s) referred above.

Reported By




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LABORATORY MANAGER

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END OF REPORT

TEST REPORT

Report No: QMTL/R-110938/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates ATTN : MR. JASMAN PINTO	Sample ID	QMTL/S-110938	
	Date Received	11 Jul 2020	
	Date(s) Tested	11 Jul 2020 - 13 Jul 2020	
	Date Reported	14 Jul 2020	
Sample Description	A2A3 Building - Cold Water Tank		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	NYUAD	Sampling Date/Time	11.07.2020/ 3:20 PM
Sample Container	1x500ml PB	Sampling Point	GRP Tank
Sample Receipt Temp	4.5°C	Sample Onsite Temp	21.9°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	Zero
Fecal Coliforms	APHA 9222 D (23rd Edition)	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa	APHA 9213 E (23rd Edition)	CFU/100 ml	Zero	Zero
Total Bacterial Count	APHA 9215 B (23rd Edition)	CFU/ml	10@37°C	<1
Total Coliforms	APHA 9222 B (23rd Edition)	CFU/100 ml	Zero	Zero

Remarks	The sample meets RSB Water Quality Regulations (4th Edition) January 2014 requirements for potable water with respect to the above tests only.
---------	--

Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, 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#	22
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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

CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI	To: Mr. Ratheesh Muttath Operations Engineer	DATE: 11-07-2020
CUSTOMER ID: 3003	Copy: SERCO - NYUAD	LAST VISIT: 13-06-2020

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	MAIN WATER TANK			
pH at 25°C	7.0 - 9.2	8.75			
Conductivity at 25°C, µs/cm	1600 Max.	230			
Total Dissolved Solids (TDS)	1000 Max.	149			
Total Hardness, ppm as CaCO ₃	300 Max.	89			
Calcium Hardness, ppm as CaCO ₃	200 Max.	74			
Total Alkalinity	--	63			
Chlorides (Cl ⁻), mg/l	250 Max.	58			
Iron (Fe), mg/l	0.2 Max.	<0.05			
Sulphate (SO ₄), mg/l	250 Max.	<10			
Copper (Cu), mg/l	1 Max.	<0.05			
Aluminum (Al), mg/l	0.2 Max.	<0.05			
Zinc (Zn), mg/l	5 Max.	<1.0			
Nitrate (NO ₃ -N) mg/l	50 Max.	<1.0			
Nitrite (NO ₂ -) mg/l	3.0 Max.	<0.05			
Fluorides (F)	1.5 Max.	<0.05			
Potassium (K)	12 Max.	<5.0			

Treatment Residuals

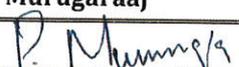
Odor	Unobjectionabl	ND			
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.47			
Turbidity in NTU	4.0 Max.	<1			

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine dioxide levels found satisfactory. ⇨	No action recommended.

Chlorine dioxide levels found satisfactory. Kindly maintain the same dosage of ClO₂ for effective disinfection of the water.

The acid & chlorite dosing pumps, dosing tubes are in good condition. The system is working effectively.

INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid	15 Cans		--	
Bello Zon Chlorite	15 Cans			
Service Engineer:	Murugaraaj		Client:	Mr. Ratheesh Muttath
Signature:			Signature:	



CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI	To: Mr. Ratheesh Muttath Operations Engineer	DATE: 11-07-2020
CUSTOMER ID: 3003	Copy: SERCO - NYUAD	LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	AMBIENT WATER	
		A6D2	
pH at 25°C	7.0 - 9.2	8.62	
Conductivity at 25°C, µs/cm	--	227	
Total Dissolved Solids (TDS)	1000 Max.	147	
Total Hardness, ppm as CaCO ₃	300 Max.	72	
Calcium Hardness, ppm as CaCO ₃	200 Max.	67	
Total Alkalinity	--	54	
Chloride, ppm as Cl ⁻	250 Max.	57	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max.	<0.10	
Nitrate (NO ₃ ⁻), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ ⁻), mg/l	3.0 Max.	<1.0	
Fluorides (F)	1.5 Max.	<0.05	
Potassium (K)	12 Max.	<5.0	

Treatment Residuals

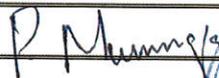
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.31	
Free Residual Chlorine as Cl	0.2 - 0.5	--	
Turbidity in NTU	4 Max.	<1.0	

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid			---	--
Bello Zon Chlorite			--	--
Service Engineer:	Murugaraaj	Client:	Mr. Ratheesh Muttath	
Signature:		Signature:		



CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	To: Mr. Ratheesh Muttath Operations Engineer	DATE: 11-07-2020
CUSTOMER ID: 3003	Copy: SERCO – NYUAD	LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	AMBIENT WATER	
		C1B1	
pH at 25°C	7.0 – 9.2	8.11	
Conductivity at 25°C, µs/cm	--	212	
Total Dissolved Solids (TDS)	1000 Max.	137	
Total Hardness, ppm as CaCO ₃	300 Max.	80	
Calcium Hardness, ppm as CaCO ₃	200 Max.	71	
Total Alkalinity	--	59	
Chloride, ppm as Cl ⁻	250 Max.	68	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max.	<0.10	
Nitrate (NO ₃ ⁻), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ ⁻), mg/l	3.0 Max.	<1.0	
Fluorides (F)	1.5 Max.	<0.05	
Potassium (K)	12 Max.	<5.0	

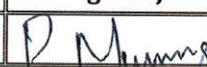
Treatment Residuals

Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 – 0.5	0.32	
Free Residual Chlorine as Cl	0.2 – 0.5	--	
Turbidity in NTU	4 Max.	<1.0	

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid			--	--
Bello Zon Chlorite			--	--

Service Engineer:	Murugaraaj	Client:	Mr. Ratheesh Muttath
Signature:		Signature:	



CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI	To: Mr. Ratheesh Muttath Operations Engineer	DATE: 11-07-2020
CUSTOMER ID: 3003	Copy: SERCO - NYUAD	LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	AMBIENT WATER	
		C2	
pH at 25°C	7.0 - 9.2	8.35	
Conductivity at 25°C, µs/cm	--	264	
Total Dissolved Solids (TDS)	1000 Max.	171	
Total Hardness, ppm as CaCO ₃	300 Max.	92	
Calcium Hardness, ppm as CaCO ₃	200 Max.	87	
Total Alkalinity	--	65	
Chloride, ppm as Cl ⁻	250 Max.	76	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max	<0.10	
Nitrate (NO ₃ ⁻), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ ⁻), mg/l	3.0 Max.	<1.0	
Fluorides (F)	1.5 Max	<0.05	
Potassium (K)	12 Max.	<5.0	

Treatment Residuals

Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.38	
Free Residual Chlorine as Cl	0.2 - 0.5	--	
Turbidity in NTU	4 Max	<1.0	

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

COMMENTS:

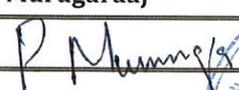
COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid			--	--
Bello Zon Chlorite			--	--

Service Engineer:	Murugaraaj	Client:	Mr. Ratheesh Muttath
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Signature:		Signature:	
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CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI	To: Mr. Ratheesh Muttath Operations Engineer	DATE: 11-07-2020
CUSTOMER ID: 3003	Copy: SERCO - NYUAD	LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	AMBIENT WATER	
		C3B2	
pH at 25°C	7.0 - 9.2	8.47	
Conductivity at 25°C, µs/cm	--	219	
Total Dissolved Solids (TDS)	1000 Max.	142	
Total Hardness, ppm as CaCO ₃	300 Max.	90	
Calcium Hardness, ppm as CaCO ₃	200 Max.	85	
Total Alkalinity	--	69	
Chloride, ppm as Cl ⁻	250 Max.	76	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max	<0.10	
Nitrate (NO ₃ ⁻), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ ⁻), mg/l	3.0 Max.	<1.0	
Fluorides (F)	1.5 Max	<0.05	
Potassium (K)	12 Max.	<5.0	

Treatment Residuals

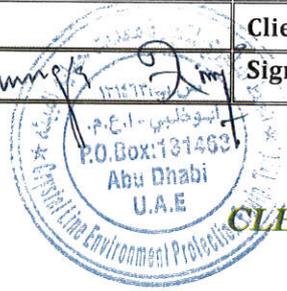
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.32	
Free Residual Chlorine as Cl	0.2 - 0.5	--	
Turbidity in NTU	4 Max	<1.0	

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid			--	--
Bello Zon Chlorite			--	--

Service Engineer:	Murugaraaj	Client:	Mr. Ratheesh Muttath
Signature:		Signature:	



CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI	To: Mr. Ratheesh Muttath Operations Engineer	DATE: 11-07-2020
CUSTOMER ID: 3003	Copy: SERCO - NYUAD	LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	AMBIENT WATER	
		A1D1	
pH at 25°C	7.0 - 9.2	8.29	
Conductivity at 25°C, µs/cm	--	248	
Total Dissolved Solids (TDS)	1000 Max.	161	
Total Hardness, ppm as CaCO ₃	300 Max.	78	
Calcium Hardness, ppm as CaCO ₃	200 Max.	69	
Total Alkalinity	--	58	
Chloride, ppm as Cl ⁻	250 Max.	54	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max.	<0.10	
Nitrate (NO ₃ ⁻), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ ⁻), mg/l	3.0 Max.	<1.0	
Fluorides (F)	1.5 Max.	<0.05	
Potassium (K)	12 Max.	<5.0	

Treatment Residuals

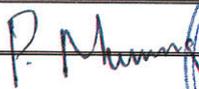
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.39	
Free Residual Chlorine as Cl	0.2 - 0.5	--	
Turbidity in NTU	4 Max.	<1.0	

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid			--	--
Bello Zon Chlorite			--	--
Service Engineer:	Murugaraaj	Client:	Mr. Ratheesh Muttath	
Signature:		Signature:		





CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI	To: Mr. Ratheesh Muttath Operations Engineer	DATE: 11-07-2020
CUSTOMER ID: 3003	Copy: SERCO - NYUAD	LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	AMBIENT WATER	
		A2A3	
pH at 25°C	7.0 - 9.2	8.11	
Conductivity at 25°C, µs/cm	--	255	
Total Dissolved Solids (TDS)	1000 Max.	165	
Total Hardness, ppm as CaCO ₃	300 Max.	78	
Calcium Hardness, ppm as CaCO ₃	200 Max.	57	
Total Alkalinity	--	52	
Chloride, ppm as Cl ⁻	250 Max.	56	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max	<0.10	
Nitrate (NO ₃ ⁻), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ ⁻), mg/l	3.0 Max.	<1.0	
Fluorides (F)	1.5 Max	<0.05	
Potassium (K)	12 Max.	<5.0	

Treatment Residuals

Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.35	
Free Residual Chlorine as Cl	0.2 - 0.5	--	
Turbidity in NTU	4 Max	<1.0	

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid			--	--
Bello Zon Chlorite			--	--
Service Engineer:	Murugaraaj	Client:	Mr. Ratheesh Muttath	
Signature:		Signature:		





CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI	To: Mr. Ratheesh Muttath Operations Engineer	DATE: 11-07-2020
CUSTOMER ID: 3003	Copy: SERCO - NYUAD	LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	AMBIENT WATER	
		A4A5	
pH at 25°C	7.0 - 9.2	8.02	
Conductivity at 25°C, µs/cm	--	234	
Total Dissolved Solids (TDS)	1000 Max.	152	
Total Hardness, ppm as CaCO ₃	300 Max.	88	
Calcium Hardness, ppm as CaCO ₃	200 Max.	79	
Total Alkalinity	--	68	
Chloride, ppm as Cl ⁻	250 Max.	61	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max.	<0.10	
Nitrate (NO ₃ -), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ -), mg/l	3.0 Max.	<1.0	
Fluorides (F)	1.5 Max.	<0.05	
Potassium (K)	12 Max.	<5.0	

Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.37	
Free Residual Chlorine as Cl	0.2 - 0.5	--	
Turbidity in NTU	4 Max.	<1.0	

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid			--	--
Bello Zon Chlorite			--	--
Service Engineer:	Murugaraaj	Client:	Mr. Ratheesh Muttath	
Signature:		Signature:		



CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI	To: Mr. Ratheesh Muttath Operations Engineer	DATE: 11-07-2020
CUSTOMER ID: 3003	Copy: SERCO - NYUAD	LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	COLD WATER	
		A6D2	
pH at 25°C	7.0 - 9.2	8.93	
Conductivity at 25°C, µs/cm	--	259	
Total Dissolved Solids (TDS)	1000 Max.	168	
Total Hardness, ppm as CaCO ₃	300 Max.	81	
Calcium Hardness, ppm as CaCO ₃	200 Max.	74	
Total Alkalinity	--	63	
Chloride, ppm as Cl ⁻	250 Max.	68	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max	<1.0	
Nitrate (NO ₃ ⁻), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ ⁻), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.05	
Potassium (K)	12 Max.	<5.0	

Treatment Residuals

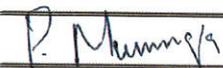
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.37	
Free Residual Chlorine as Cl	0.2 - 0.5	--	
Turbidity in NTU	4 Max	<1.0	

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid	15 Cans		--	--
Bello Zon Chlorite	15 Cans		--	--
Service Engineer:	Murugaraaj		Client:	Mr. Ratheesh Muttath
Signature:			Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI

**To: Mr. Ratheesh Muttath
Operations Engineer**

DATE: 11-07-2020

CUSTOMER ID: 3003

Copy: SERCO - NYUAD

LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	COLD WATER	
		C1B1	
pH at 25°C	7.0 - 9.2	8.16	
Conductivity at 25°C, µs/cm	--	238	
Total Dissolved Solids (TDS)	1000 Max.	154	
Total Hardness, ppm as CaCO ₃	300 Max.	78	
Calcium Hardness, ppm as CaCO ₃	200 Max.	71	
Total Alkalinity	--	58	
Chloride, ppm as Cl ⁻	250 Max.	64	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max	<1.0	
Nitrate (NO ₃ ⁻), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ ⁻), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.05	
Potassium (K)	12 Max.	<5.0	

Treatment Residuals

Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.34	
Free Residual Chlorine as Cl	0.2 - 0.5	--	
Turbidity in NTU	4 Max	<1.0	

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid	15 Cans		--	--
Bello Zon Chlorite	15 Cans		--	--

Service Engineer: Murugaraaj

Client:

Mr. Ratheesh Muttath

Signature:

P. Murugaraaj

Signature:



CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI	To: Mr. Ratheesh Muttath Operations Engineer	DATE: 11-07-2020
CUSTOMER ID: 3003	Copy: SERCO - NYUAD	LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	COLD WATER	
		C2	
pH at 25°C	7.0 - 9.2	8.42	
Conductivity at 25°C, µs/cm	--	228	
Total Dissolved Solids (TDS)	1000 Max.	148	
Total Hardness, ppm as CaCO ₃	300 Max.	80	
Calcium Hardness, ppm as CaCO ₃	200 Max.	73	
Total Alkalinity	--	55	
Chloride, ppm as Cl ⁻	250 Max.	61	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max.	<1.0	
Nitrate (NO ₃ ⁻), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ ⁻), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max.	<0.05	
Potassium (K)	12 Max.	<5.0	

Treatment Residuals

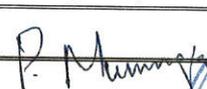
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.35	
Free Residual Chlorine as Cl	0.2 - 0.5	--	
Turbidity in NTU	4 Max.	<1.0	

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid	15 Cans		--	--
Bello Zon Chlorite	15 Cans		--	--
Service Engineer:	Murugaraaj		Client:	Mr. Ratheesh Muttath
Signature:			Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI	To: Mr. Ratheesh Muttath Operations Engineer	DATE: 11-07-2020
CUSTOMER ID: 3003	Copy: SERCO - NYUAD	LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	COLD WATER	
		C3B2	
pH at 25°C	7.0 - 9.2	8.28	
Conductivity at 25°C, µs/cm	--	245	
Total Dissolved Solids (TDS)	1000 Max.	159	
Total Hardness, ppm as CaCO ₃	300 Max.	85	
Calcium Hardness, ppm as CaCO ₃	200 Max.	78	
Total Alkalinity	--	61	
Chloride, ppm as Cl ⁻	250 Max.	69	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max	<1.0	
Nitrate (NO ₃ ⁻), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ ⁻), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.05	
Potassium (K)	12 Max.	<5.0	

Treatment Residuals

Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.31	
Free Residual Chlorine as Cl	0.2 - 0.5	--	
Turbidity in NTU	4 Max	<1.0	

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid	15 Cans		--	--
Bello Zon Chlorite	15 Cans		--	--
Service Engineer:	Murugaraaj	Client:	Mr. Ratheesh Muttath	
Signature:		Signature:		





CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI

**To: Mr. Ratheesh Muttath
Operations Engineer**

DATE: 11-07-2020

CUSTOMER ID: 3003

Copy: SERCO - NYUAD

LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	COLD WATER	
		A1D1	
pH at 25°C	7.0 - 9.2	8.25	
Conductivity at 25°C, µs/cm	--	211	
Total Dissolved Solids (TDS)	1000 Max.	137	
Total Hardness, ppm as CaCO ₃	300 Max.	82	
Calcium Hardness, ppm as CaCO ₃	200 Max.	72	
Total Alkalinity	--	53	
Chloride, ppm as Cl ⁻	250 Max.	61	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max.	<1.0	
Nitrate (NO ₃ ⁻), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ ⁻), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max.	<0.05	
Potassium (K)	12 Max.	<5.0	

Treatment Residuals

Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.32	
Free Residual Chlorine as Cl	0.2 - 0.5	--	
Turbidity in NTU	4 Max.	<1.0	

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

COMMENTS:

ACTION:

The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid	15 Cans		--	--
Bello Zon Chlorite	15 Cans		--	--
Service Engineer:	Murugaraaj		Client:	Mr. Ratheesh Muttath
Signature:			Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI

**To: Mr. Ratheesh Muttath
Operations Engineer**

DATE: 11-07-2020

CUSTOMER ID: 3003

Copy: SERCO - NYUAD

LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	COLD WATER	
		A2A3	
pH at 25°C	7.0 - 9.2	8.48	
Conductivity at 25°C, µs/cm	--	221	
Total Dissolved Solids (TDS)	1000 Max.	143	
Total Hardness, ppm as CaCO ₃	300 Max.	86	
Calcium Hardness, ppm as CaCO ₃	200 Max.	73	
Total Alkalinity	--	62	
Chloride, ppm as Cl ⁻	250 Max.	66	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max.	<1.0	
Nitrate (NO ₃ ⁻), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ ⁻), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max.	<0.05	
Potassium (K)	12 Max.	<5.0	

Treatment Residuals

Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.38	
Free Residual Chlorine as Cl	0.2 - 0.5	--	
Turbidity in NTU	4 Max.	<1.0	

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

COMMENTS:

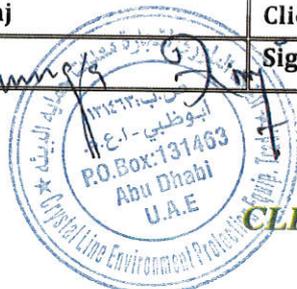
ACTION:

The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid	15 Cans		--	--
Bello Zon Chlorite	15 Cans		--	--
Service Engineer:	Murugaraaj		Client:	Mr. Ratheesh Muttath
Signature:			Signature:	





CONSULTING SERVICE REPORT

CUSTOMER: SERCO - NEW YORK UNIVERSITY, ABU DHABI

**To: Mr. Ratheesh Muttath
Operations Engineer**

DATE: 11-07-2020

CUSTOMER ID: 3003

Copy: SERCO - NYUAD

LAST VISIT: 13-06-2020

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	COLD WATER	
		A4A5	
pH at 25°C	7.0 - 9.2	7.69	
Conductivity at 25°C, µs/cm	--	195	
Total Dissolved Solids (TDS)	1000 Max.	126	
Total Hardness, ppm as CaCO ₃	300 Max.	89	
Calcium Hardness, ppm as CaCO ₃	200 Max.	77	
Total Alkalinity	--	60	
Chloride, ppm as Cl ⁻	250 Max.	69	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO ₄), mg/l	250 Max.	<10	
Copper (Cu), mg/l	1 Max.	<0.05	
Aluminum (Al), mg/l	0.2 Max.	<0.05	
Zinc (Zn), mg/l	5 Max	<1.0	
Nitrate (NO ₃ ⁻), mg/l	50 Max.	<1.0	
Nitrite (NO ₂ ⁻), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.05	
Potassium (K)	12 Max.	<5.0	

Treatment Residuals

Odor	Unobjectionable	ND	
Chlorine Dioxide ClO ₂	0.2 - 0.5	0.34	
Free Residual Chlorine as Cl	0.2 - 0.5	--	
Turbidity in NTU	4 Max	<1.0	

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Bello Zon Acid	15 Cans		--	--
Bello Zon Chlorite	15 Cans		--	--
Service Engineer:	Murugaraaj		Client:	Mr. Ratheesh Muttath
Signature:			Signature:	

