TEST REPORT

Report No: QMTL/R-92609/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates**		Sample ID	QMTL/S-92609
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
ATTN : **MR. JASMAN PINTO**		Date Reported	24 Feb 2020

Sample Description	**Main water Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/11:20AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	32.4°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

Reported By

ANILA GEORGE

LABORATORY MANAGER

END OF REPORT

P.O. Box: 9035, M-15, Plot No. 21, Block C, Store 5, 7&8, Mussafah
Abu Dhabi-U.A.E Tel: +971 2 5552928 Fax: +971 2 5552927
E-mail: info@qualitasme.com
Website: www.qualitasme.com

TEST REPORT

Report No: QMTL/R-92601/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates** **ATTN** : **MR. JASMAN PINTO**		Sample ID	QMTL/S-92601
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
		Date Reported	24 Feb 2020

Sample Description	**C2 - Ambient Water Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/9:00AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	26.6°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

Reported By

ANILA GEORGE

LABORATORY MANAGER

END OF REPORT

P.O. Box: 9035, M-15, Plot No. 21, Block C, Store 5, 7&8, Mussafah
Abu Dhabi-U.A.E Tel: +971 2 5552928 Fax: +971 2 5552927
E-mail: info@qualitasme.com
Website: www.qualitasme.com

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QUALITAS MATERIAL TESTING LABORATORIES

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TEST REPORT

Report No: QMTL/R-92603/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates**		Sample ID	QMTL/S-92603
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
ATTN : **MR. JASMAN PINTO**		Date Reported	24 Feb 2020

Sample Description	**C1 B1 Ambient Water Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/9:25AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	26°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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	7
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

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

Reported By

ANILA GEORGE

LABORATORY MANAGER

QUALITAS MATERIAL TESTING LABORATORIES

END OF REPORT

P.O. Box: 9035, M-15, Plot No. 21, Block C, Store 5, 7&8, Mussafah
Abu Dhabi-U.A.E Tel: +971 2 5552928 Fax: +971 2 5552927
E-mail: info@qualitasme.com
Website: www.qualitasme.com

TEST REPORT

Report No: QMTL/R-92606/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates**		Sample ID	QMTL/S-92606
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
ATTN : **MR. JASMAN PINTO**		Date Reported	24 Feb 2020

Sample Description	**A1 D1 Ambient Water Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/10:30AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	27°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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.			

Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NP: Not Provided, NA : Not Applicable

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
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

P.O. Box: 9035, M-15, Plot No. 21, Block C, Store 5, 7&8, Mussafah
Abu Dhabi-U.A.E Tel: +971 2 5552928 Fax: +971 2 5552927
E-mail: info@qualitasme.com
Website: www.qualitasme.com

TEST REPORT

Report No: QMTL/R-92608/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates** **ATTN** : **MR. JASMAN PINTO**		Sample ID	QMTL/S-92608
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
		Date Reported	24 Feb 2020

Sample Description	**A2 A3 Ambient Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/11:00AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	30.8°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

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ANILA GEORGE

LABORATORY MANAGER

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END OF REPORT

P.O. Box: 9035, M-15, Plot No. 21, Block C, Store 5, 7&8, Mussafah
Abu Dhabi-U.A.E Tel: +971 2 5552928 Fax: +971 2 5552927
E-mail: info@qualitasme.com
Website: www.qualitasme.com

TEST REPORT

Report No: QMTL/R-92611/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates** **ATTN** : **MR. JASMAN PINTO**		Sample ID	QMTL/S-92611
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
		Date Reported	24 Feb 2020

Sample Description	**A4 A5 Ambient Water Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/11:50AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	30°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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.			

Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NP: Not Provided, NA : Not Applicable

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

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ANILA GEORGE

LABORATORY MANAGER

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P.O. Box: 9035, M-15, Plot No. 21, Block C, Store 5, 7&8, Mussafah
Abu Dhabi-U.A.E Tel: +971 2 5552928 Fax: +971 2 5552927
E-mail: info@qualitasme.com
Website: www.qualitasme.com

TEST REPORT

Report No: QMTL/R-92613/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates**		Sample ID	QMTL/S-92613
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
ATTN : **MR. JASMAN PINTO**		Date Reported	24 Feb 2020

Sample Description	**A6 D2 Ambient Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/12:15PM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	27.7°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

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END OF REPORT

P.O. Box: 9035, M-15, Plot No. 21, Block C, Store 5, 7&8, Mussafah
Abu Dhabi-U.A.E Tel: +971 2 5552928 Fax: +971 2 5552927
E-mail: info@qualitasme.com
Website: www.qualitasme.com

TEST REPORT

Report No: QMTL/R-92615/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates**		Sample ID	QMTL/S-92615
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
ATTN : **MR. JASMAN PINTO**		Date Reported	24 Feb 2020

Sample Description	**C3 B2 Ambient Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/12:45PM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	27.4°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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.			

Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NP: Not Provided, NA : Not Applicable

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

Reported By

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END OF REPORT

P.O. Box: 9035, M-15, Plot No. 21, Block C, Store 5, 7&8, Mussafah
Abu Dhabi-U.A.E Tel: +971 2 5552928 Fax: +971 2 5552927
E-mail: info@qualitasme.com
Website: www.qualitasme.com

TEST REPORT

Report No: QMTL/R-92600/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates** **ATTN** : **MR. JASMAN PINTO**		Sample ID	QMTL/S-92600
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
		Date Reported	24 Feb 2020

Sample Description	**C2 - Cold Water Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/8:50AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	19.6°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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.			

Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NP: Not Provided, NA : Not Applicable

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

Reported By

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P.O. Box: 9035, M-15, Plot No. 21, Block C, Store 5, 7&8, Mussafah
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E-mail: info@qualitasme.com
Website: www.qualitasme.com

TEST REPORT

Report No: QMTL/R-92602/2020

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES **Abu Dhabi PO Box : 131463** **United Arab Emirates**		Sample ID	QMTL/S-92602
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
ATTN : MR. JASMAN PINTO		Date Reported	24 Feb 2020

Sample Description	**C1 B1 Cold Water Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/9:10AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	20°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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.			

Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, RSB: Regulation & Supervision Bureau, NP: Not Provided, NA : Not Applicable

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

Reported By

ANILA GEORGE

LABORATORY MANAGER

END OF REPORT

P.O. Box: 9035, M-15, Plot No. 21, Block C, Store 5, 7&8, Mussafah
Abu Dhabi-U.A.E Tel: +971 2 5552928 Fax: +971 2 5552927
E-mail: info@qualitasme.com
Website: www.qualitasme.com

TEST REPORT

Report No: QMTL/R-92605/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates** **ATTN** : **MR. JASMAN PINTO**		Sample ID	QMTL/S-92605
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
		Date Reported	24 Feb 2020

Sample Description	**A1 D1 Cold Water Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/10:05AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	16.8°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
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

P.O. Box: 9035, M-15, Plot No. 21, Block C, Store 5, 7&8, Mussafah
Abu Dhabi-U.A.E Tel: +971 2 5552928 Fax: +971 2 5552927
E-mail: info@qualitasme.com
Website: www.qualitasme.com

TEST REPORT

Report No: QMTL/R-92607/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates**		Sample ID	QMTL/S-92607
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
ATTN : **MR. JASMAN PINTO**		Date Reported	24 Feb 2020

Sample Description	**A2 A3 Cold Water Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/10:45AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	18°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

Reported By

ANILA GEORGE

LABORATORY MANAGER

مختبر كولنياس الكيميائي QUALITAS MATERIAL TESTING LABORATORIES

END OF REPORT

P.O. Box: 9035, M-15, Plot No. 21, Block C, Store 5, 7&8, Mussafah
Abu Dhabi-U.A.E Tel: +971 2 5552928 Fax: +971 2 5552927
E-mail: info@qualitasme.com
Website: www.qualitasme.com

TEST REPORT

Report No: QMTL/R-92610/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates**		Sample ID	QMTL/S-92610
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
ATTN : **MR. JASMAN PINTO**		Date Reported	24 Feb 2020

Sample Description	**A4 A5 Cold Water Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/11:35AM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	19.6°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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	7
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

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

Reported By

ANILA GEORGE

LABORATORY MANAGER

مختبر كولنياس الكيميائي QUALITAS MATERIAL TESTING LABORATORIES

END OF REPORT

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E-mail: info@qualitasme.com
Website: www.qualitasme.com

TEST REPORT

Report No: QMTL/R-92612/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates**		Sample ID	QMTL/S-92612
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
ATTN : **MR. JASMAN PINTO**		Date Reported	24 Feb 2020

Sample Description	**A6 D2 Cold Water Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/12:00PM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	20°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

Reported By

ANILA GEORGE

LABORATORY MANAGER

مختبر كولنياس الكيميائي QUALITAS MATERIAL TESTING LABORATORIES

END OF REPORT

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E-mail: info@qualitasme.com
Website: www.qualitasme.com

TEST REPORT

Report No: QMTL/R-92614/2020

CLIENT : **CRYSTALLINE ENVIRONMENTAL SERVICES** **Abu Dhabi PO Box : 131463** **United Arab Emirates**		Sample ID	QMTL/S-92614
		Date Received	08 Feb 2020
		Date(s) Tested	08 Feb 2020 - 10 Feb 2020
ATTN : **MR. JASMAN PINTO**		Date Reported	24 Feb 2020

Sample Description	**C3 B2 Cold Water Tank**		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	AUH	Sampling Date/Time	08.02.2020/12:30PM
Sample Container	1x500mL PB	Sampling Point	Tank
Sample Receipt Temp	4°C	Sample Onsite Temp	24.3°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NYUAD		

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	7
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

Test method deviation	None
Test performed by Emp#	74 & 55
Report prepared by Emp#	22
The above test results are only applicable to the sample(s) referred above.	

Reported By

ANILA GEORGE

LABORATORY MANAGER

QUALITAS MATERIAL TESTING LABORATORIES

END OF REPORT

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Abu Dhabi-U.A.E Tel: +971 2 5552928 Fax: +971 2 5552927
E-mail: info@qualitasme.com
Website: www.qualitasme.com

CRYSTALLINE
ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

WATER ANALYSIS

PARAMETER	CONTROL LIMITS	MAIN WATER TANK			
pH at 25°C	7.0 – 9.2	8.28			
Conductivity at 25°C, µs/cm	1600 Max.	308			
Total Dissolved Solids (TDS)	1000 Max.	201			
Total Hardness, ppm as $CaCO_3$	300 Max.	63			
Calcium Hardness, ppm as $CaCO_3$	200 Max.	55			
Total Alkalinity	--	47			
Chlorides (Cl^-), mg/l	250 Max.	59			
Iron (Fe), mg/l	0.2 Max.	<0.05			
Sulphate (SO4), 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.	<0.05			
Nitrate (NO3–N) mg/l	50 Max.	<1.0			
Nitrite (NO2–) mg/l	3.0 Max.	<0.1			
Fluorides (F)	1.5 Max.	<0.05			
Potassium (K)	12 Max.	<5.0			
Treatment Residuals					
Odor	Unobjectionabl	ND			
Chlorine Dioxide ClO2	0.2 – 0.5	0.43			
Turbidity in NTU	4.0 Max.	<1			

All test results expressed in parts per million (ppm) as $CaCO_3$ 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:**	

Crystal Line Environment Protection Equip. Trad. L.L.C
P.O.Box:131463
Abu Dhabi
U.A.E

CLEANER WATER GREENER TOMORROW

CRYSTALLINE
ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

POTABLE WATER ANALYSIS

		AMBIENT WATER	
PARAMETER	**CONTROL LIMITS**	**A1D1**	
pH at 25°C	7.0 – 9.2	8.07	
Conductivity at 25°C, µs/cm	--	287	
Total Dissolved Solids (TDS)	1000 Max.	186	
Total Hardness, ppm as $CaCO_3$	300 Max.	64	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	57	
Total Alkalinity	--	46	
Chloride, ppm as Cl^-	250 Max.	54	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.0	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	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 $CaCO_3$ 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:**	

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P.O.Box: 131463
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CLEANER WATER GREENER TOMORROW

CRYSTALLINE
ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

POTABLE WATER ANALYSIS

		AMBIENT WATER	
PARAMETER	**CONTROL LIMITS**	**A2A3**	
pH at 25°C	7.0 – 9.2	8.13	
Conductivity at 25°C, µs/cm	--	302	
Total Dissolved Solids (TDS)	1000 Max.	196	
Total Hardness, ppm as $CaCO_3$	300 Max.	63	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	56	
Total Alkalinity	--	42	
Chloride, ppm as Cl^-	250 Max.	51	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.0	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	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 $CaCO_3$ 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:**	

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CLEANER WATER GREENER TOMORROW

CRYSTALLINE
ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

POTABLE WATER ANALYSIS

		AMBIENT WATER	
PARAMETER	**CONTROL LIMITS**	**A4A5**	
pH at 25°C	7.0 – 9.2	7.98	
Conductivity at 25°C, µs/cm	--	289	
Total Dissolved Solids (TDS)	1000 Max.	187	
Total Hardness, ppm as $CaCO_3$	300 Max.	68	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	57	
Total Alkalinity	--	43	
Chloride, ppm as Cl^-	250 Max.	55	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.00	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	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 $CaCO_3$ 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:**	

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CLEANER WATER GREENER TOMORROW

CRYSTALLINE
ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

POTABLE WATER ANALYSIS

		AMBIENT WATER	
PARAMETER	**CONTROL LIMITS**	**A6D2**	
pH at 25°C	7.0 – 9.2	8.14	
Conductivity at 25°C, µs/cm	--	305	
Total Dissolved Solids (TDS)	1000 Max.	198	
Total Hardness, ppm as $CaCO_3$	300 Max.	67	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	56	
Total Alkalinity	--	47	
Chloride, ppm as Cl^-	250 Max.	56	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.0	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	0.2 – 0.5	0.33	
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 $CaCO_3$ 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:**	

Crystal Line Environmental Protecting Equip. Trad. L.L.C
P.O.Box: 131463
Abu Dhabi
U.A.E

CLEANER WATER GREENER TOMORROW

CRYSTALLINE
ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

POTABLE WATER ANALYSIS

		AMBIENT WATER	
PARAMETER	**CONTROL LIMITS**	**C1B1**	
pH at 25°C	7.0 – 9.2	8.09	
Conductivity at 25°C, µs/cm	--	307	
Total Dissolved Solids (TDS)	1000 Max.	201	
Total Hardness, ppm as $CaCO_3$	300 Max.	68	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	54	
Total Alkalinity	--	47	
Chloride, ppm as Cl^-	250 Max.	58	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.0	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	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 $CaCO_3$ 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:**	

Crystalline Environment Protection Equip. Trading LLC
P.O.Box 131163
Abu Dhabi
U.A.E

CLEANER WATER GREENER TOMORROW

CRYSTALLINE
ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

POTABLE WATER ANALYSIS

		AMBIENT WATER	
PARAMETER	**CONTROL LIMITS**	**C2**	
pH at 25°C	7.0 – 9.2	7.93	
Conductivity at 25°C, µs/cm	--	301	
Total Dissolved Solids (TDS)	1000 Max.	195	
Total Hardness, ppm as $CaCO_3$	300 Max.	63	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	55	
Total Alkalinity	--	43	
Chloride, ppm as Cl^-	250 Max.	54	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.00	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	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 $CaCO_3$ 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:**	

Crystal Line Environment Protection Equip. Trad. LLC
ص.ب: ١٣١٤٦٣ أبوظبي ا.ع.م.
P.O.Box 131463
Abu Dhabi
U.A.E

CLEANER WATER GREENER TOMORROW

CRYSTALLINE
ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

POTABLE WATER ANALYSIS

		AMBIENT WATER	
PARAMETER	**CONTROL LIMITS**	**C3B2**	
pH at 25°C	7.0 – 9.2	7.98	
Conductivity at 25°C, µs/cm	--	288	
Total Dissolved Solids (TDS)	1000 Max.	187	
Total Hardness, ppm as $CaCO_3$	300 Max.	66	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	52	
Total Alkalinity	--	45	
Chloride, ppm as Cl^-	250 Max.	51	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.0	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	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 $CaCO_3$ 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:**	

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U.A.E

CLEANER WATER GREENER TOMORROW

CRYSTALLINE
ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

POTABLE WATER ANALYSIS

		COLD WATER	
PARAMETER	**CONTROL LIMITS**	**A1D1**	
pH at 25°C	7.0 – 9.2	8.16	
Conductivity at 25°C, µs/cm	--	306	
Total Dissolved Solids (TDS)	1000 Max.	199	
Total Hardness, ppm as $CaCO_3$	300 Max.	66	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	54	
Total Alkalinity	--	45	
Chloride, ppm as Cl^-	250 Max.	56	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.0	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	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 $CaCO_3$ 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:**	

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CLEANER WATER GREENER TOMORROW

CRYSTALLINE
ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	COLD WATER A2A3	
pH at 25°C	7.0 – 9.2	8.14	
Conductivity at 25°C, µs/cm	--	294	
Total Dissolved Solids (TDS)	1000 Max.	191	
Total Hardness, ppm as $CaCO_3$	300 Max.	63	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	52	
Total Alkalinity	--	45	
Chloride, ppm as Cl^-	250 Max.	53	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.0	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	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 $CaCO_3$ 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:**	

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CLEANER WATER GREENER TOMORROW

CRYSTALLINE
ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	COLD WATER A4A5	
pH at 25°C	7.0 – 9.2	8.12	
Conductivity at 25°C, μs/cm	--	301	
Total Dissolved Solids (TDS)	1000 Max.	196	
Total Hardness, ppm as $CaCO_3$	300 Max.	66	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	55	
Total Alkalinity	--	41	
Chloride, ppm as Cl^-	250 Max.	56	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.00	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	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 $CaCO_3$ 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:**	

CLEANER WATER GREENER TOMORROW

CRYSTALLINE
ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath** **Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

POTABLE WATER ANALYSIS

PARAMETER	CONTROL LIMITS	COLD WATER A6D2	
pH at 25°C	7.0 – 9.2	7.88	
Conductivity at 25°C, µs/cm	--	291	
Total Dissolved Solids (TDS)	1000 Max.	189	
Total Hardness, ppm as $CaCO_3$	300 Max.	59	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	43	
Total Alkalinity	--	42	
Chloride, ppm as Cl^-	250 Max.	53	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.0	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	0.2 – 0.5	0.36	
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 $CaCO_3$ 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:**	

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CLEANER WATER GREENER TOMORROW

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ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	To: Mr. Ratheesh Muttath Operations Engineer	DATE: 08-02-2020
CUSTOMER ID: 3003	Copy: SERCO - NYUAD	LAST VISIT: 04-01-2020

POTABLE WATER ANALYSIS

		COLD WATER	
PARAMETER	CONTROL LIMITS	C1B1	
pH at 25°C	7.0 – 9.2	8.09	
Conductivity at 25°C, µs/cm	--	287	
Total Dissolved Solids (TDS)	1000 Max.	186	
Total Hardness, ppm as $CaCO_3$	300 Max.	63	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	54	
Total Alkalinity	--	40	
Chloride, ppm as Cl^-	250 Max.	51	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.0	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	0.2 – 0.5	0.36	
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 $CaCO_3$ 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:	

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CLEANER WATER GREENER TOMORROW

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ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

POTABLE WATER ANALYSIS

		COLD WATER	
PARAMETER	**CONTROL LIMITS**	**C2**	
pH at 25°C	7.0 – 9.2	7.93	
Conductivity at 25°C, µs/cm	--	296	
Total Dissolved Solids (TDS)	1000 Max.	192	
Total Hardness, ppm as $CaCO_3$	300 Max.	61	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	49	
Total Alkalinity	--	43	
Chloride, ppm as Cl^-	250 Max.	50	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.00	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	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 $CaCO_3$ 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:**	

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P.O.Box: 31463
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CLEANER WATER GREENER TOMORROW

CRYSTALLINE
ENVIRONMENTAL SERVICES

CONSULTING SERVICE REPORT

CUSTOMER: SERCO – NEW YORK UNIVERSITY, ABU DHABI	**To: Mr. Ratheesh Muttath Operations Engineer**	**DATE: 08-02-2020**
CUSTOMER ID: 3003	**Copy: SERCO - NYUAD**	**LAST VISIT: 04-01-2020**

POTABLE WATER ANALYSIS

		COLD WATER	
PARAMETER	**CONTROL LIMITS**	**C3B2**	
pH at 25°C	7.0 – 9.2	7.91	
Conductivity at 25°C, µs/cm	--	299	
Total Dissolved Solids (TDS)	1000 Max.	194	
Total Hardness, ppm as $CaCO_3$	300 Max.	66	
Calcium Hardness, ppm as $CaCO_3$	200 Max.	54	
Total Alkalinity	--	47	
Chloride, ppm as Cl^-	250 Max.	51	
Iron, ppm as Fe	0.2 Max.	<0.05	
Sulphate (SO4), 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	<0.05	
Nitrate (NO3–), mg/l	50 Max.	<1.0	
Nitrite (NO2–), mg/l	3.0 Max.	<0.05	
Fluorides (F)	1.5 Max	<0.01	
Potassium (K)	12 Max.	<5.0	
Treatment Residuals			
Odor	Unobjectionable	ND	
Chlorine Dioxide ClO2	0.2 – 0.5	0.30	
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 $CaCO_3$ 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:**	

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