



Microbiology Test Report

Report No. WA-R-L-2005-9372



Customer Details

Crystalline Environmental Services

Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9166
Sampling Date/time	: 18/5/2020 , 17:10	Report Date.	: 21/5/2020
Analysis Start Date.	: 18/5/2020	Analysis End Date.	: 20/5/2020
Sample Location.	: ADIA Head Quarters, Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Chilled Water
Sample Certificate No	: 0814	Sampling Method	: APHA 9060 A&B
Temperature °C	: 11.7°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Basement Chilled Water
Sampling Point	: Valve	Preservation	: 4-8°C
Sample Description	: Chilled Water		

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	--
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	--
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	--
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	--

Note : Not Detected=<1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

Remarks :The tested results of the sample are found to be satisfactory within the specified limits.

Analyst	Reviewed By	Method Variation
HS	SM	

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.



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Testing - NAL 034

Testing - NAL 034

Microbiology Test Report

Report No. : WA-R-L-2005-9381

Signed for and on behalf of Wimpey Laboratories

Dr. Suresh Murugan Ph.D
Senior Microbiologist



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Microbiology Test Report

Customer Details

Report No. WA-R-L-2005-9383

Crystalline Environmental Services



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9177
Sampling Date/time	: 18/5/2020 , 17:10	Report Date.	: 21/5/2020
Analysis Start Date.	: 18/5/2020	Analysis End Date.	: 20/5/2020
Sample Location.	: ADIA Head Quarters, Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Chilled Water
Sample Certificate No	: 0820	Sampling Method	: APHA 9060 A&B
Temperature °C	: 10.2°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 32 Floor Wing B Plant Room Chilled Water
Sampling Point	: Valve	Preservation	: 4-8°C
Sample Description	: Chilled Water		

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	--
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	--
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	--
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	--

Note : Not Detected=<1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

Remarks :The tested results of the sample are found to be satisfactory within the specified limits.

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.



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Microbiology Test Report

Report No. : WA-R-L-2005-9383

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Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2005-9389

Crystalline Environmental Services



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9183
Sampling Date/time	: 18/5/2020 , 17:10	Report Date.	: 21/5/2020
Analysis Start Date.	: 18/5/2020	Analysis End Date.	: 20/5/2020
Sample Location.	: ADIA Head Quarters, Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Chilled Water
Sample Certificate No	: 0820	Sampling Method	: APHA 9060 A&B
Temperature °C	: 18.7°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 37th Floor Plant Room Chilled Water
Sampling Point	: Valve	Preservation	: 4-8°C
Sample Description	: Chilled Water		

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	--
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	--
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	--
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	--

Note : Not Detected=<1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

Remarks :The tested results of the sample are found to be satisfactory within the specified limits.

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.



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Microbiology Test Report

Report No. : WA-R-L-2005-9389

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Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Microbiology Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-L-2005-9540



Request No.	: WA-Q-L-2005-1498	Sample No.	: WA-S-L-2005-9360
Sampling Date/time	: 19/5/2020 , 11:49	Report Date.	: 26/5/2020
Analysis Start Date.	: 19/5/2020	Analysis End Date.	: 22/5/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: N/A
Sample Certificate No	: 0817	Sampling Method	: APHA 9060 A & B
Temperature °C	: 9.4	Site Observation	: Pink
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Basement 02 Chilled Water
Sampling Point	: Valve	Sample Description	: Chilled Water

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	--
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	-
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	--
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	--

Note : Not Detected=<1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

Remarks :The tested results of the sample are found to be satisfactory within the specified limits.

Analyst	Reviewed By	Method Variation
JY	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.



Microbiology Test Report

Report No. : WA-R-L-2005-9540

Signed for and on behalf of Wimpey Laboratories

Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Microbiology Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-L-2005-9542



Request No.	: WA-Q-L-2005-1498	Sample No.	: WA-S-L-2005-9362
Sampling Date/time	: 19/5/2020 , 11:49	Report Date.	: 26/5/2020
Analysis Start Date.	: 19/5/2020	Analysis End Date.	: 22/5/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: N/A
Sample Certificate No	: 0817	Sampling Method	: APHA 9060 A & B
Temperature °C	: 11.8	Site Observation	: Pink
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: LG Chiller Plant Room - Chilled Water
Sampling Point	: Valve	Sample Description	: Chilled Water

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	--
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	--
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	--
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	--

Note : Not Detected=<1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

Remarks :The tested results of the sample are found to be satisfactory within the specified limits.

Analyst	Reviewed By	Method Variation
JY	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.



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Testing - NAL 034

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Microbiology Test Report

Report No. : WA-R-L-2005-9542

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Dr. Suresh Murugan Ph.D
Senior Microbiologist



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Microbiology Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-L-2005-9543



Request No.	: WA-Q-L-2005-1498	Sample No.	: WA-S-L-2005-9363
Sampling Date/time	: 19/5/2020 , 11:49	Report Date.	: 26/5/2020
Analysis Start Date.	: 19/5/2020	Analysis End Date.	: 22/5/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: N/A
Sample Certificate No	: 0817	Sampling Method	: APHA 9060 A & B
Temperature °C	: 25.9	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: LG Chiller Plant Room - Chiller Yard (Water Cooled)
Sampling Point	: Valve	Sample Description	: Water

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	--
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	--
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	--
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	--

Note : Not Detected=<1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

Remarks :The tested results of the sample are found to be satisfactory within the specified limits.

Analyst	Reviewed By	Method Variation
JY	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.



Microbiology Test Report

Report No. : WA-R-L-2005-9543

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Dr. Suresh Murugan Ph.D

Senior Microbiologist



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Microbiology Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-L-2005-9541



Request No.	: WA-Q-L-2005-1498	Sample No.	: WA-S-L-2005-9361
Sampling Date/time	: 19/5/2020 , 11:49	Report Date.	: 26/5/2020
Analysis Start Date.	: 19/5/2020	Analysis End Date.	: 22/5/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: N/A
Sample Certificate No	: 0817	Sampling Method	: APHA 9060 A & B
Temperature °C	: 12.4	Site Observation	: Pink
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: GF Secondary Pump Room - Chilled Water
Sampling Point	: Valve	Sample Description	: Chilled Water

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	--
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	--
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	--
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	--

Note : Not Detected=<1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

Remarks :The tested results of the sample are found to be satisfactory within the specified limits.

Analyst	Reviewed By	Method Variation
JY	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.



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Testing - NAL 034

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Microbiology Test Report

Report No. : WA-R-L-2005-9541

Signed for and on behalf of Wimpey Laboratories

Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Microbiology Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-L-2005-9528



Request No.	: WA-Q-L-2005-1498	Sample No.	: WA-S-L-2005-9348
Sampling Date/time	: 19/5/2020 , 11:49	Report Date.	: 26/5/2020
Analysis Start Date.	: 19/5/2020	Analysis End Date.	: 22/5/2020
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: N/A
Sample Certificate No	: 0818	Sampling Method	: APHA 9060 A & B
Temperature °C	: 10.2	Site Observation	: Pink
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor Chilled Water
Sampling Point	: Valve	Sample Description	: Chilled Water

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	--
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	--
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	--
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	--

Note : Not Detected=<1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

Remarks :The tested results of the sample are found to be satisfactory within the specified limits.

Analyst	Reviewed By	Method Variation
JY	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.



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Microbiology Test Report

Report No. : WA-R-L-2005-9528

Signed for and on behalf of Wimpey Laboratories

Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2005-9533

Crystalline Environmental Services



Request No.	: WA-Q-L-2005-1498	Sample No.	: WA-S-L-2005-9353
Sampling Date/time	: 19/5/2020 , 11:49	Report Date.	: 26/5/2020
Analysis Start Date.	: 19/5/2020	Analysis End Date.	: 22/5/2020
Sample Location.	: AbuDhabi Investment Authorities (ADIA) - Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: N/A
Sample Certificate No	: 0818	Sampling Method	: APHA 9060 A & B
Temperature °C	: 11.3	Site Observation	: Pink
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Roof Chiller Plant Room Chilled Water (Air Cooled)
Sampling Point	: Valve	Sample Description	: Chilled Water

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	--
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	--
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	--
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	--

Note : Not Detected=<1CFU

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

Remarks :The tested results of the sample are found to be satisfactory within the specified limits.

Analyst	Reviewed By	Method Variation
JY	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.



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Microbiology Test Report

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Senior Microbiologist



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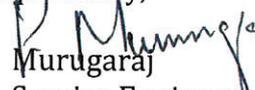
CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	18-05-2020
Sampled By	Crystalline Rep	Sample Location	ADIA -HQ
Sample Type	Chilled Water	Sample Point	HQ-Basement Chilled Water

TEST RESULT			
No	PARAMETER	CONTROL LIMITS	TEST RESULTS
1	pH at 25°C	9.0 - 10.5	10.43
2	Conductivity at 25°C, µs/cm	Max 3500	1321
3	TDS, ppm	---	858
4	Iron, ppm as Fe	0 - 2.0	0.19
5	Nitrite, ppm.	>800	580
6	Dip slide	<10 ³	ND

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

COMMENTS AND RECOMMENDATIONS
<ul style="list-style-type: none"> pH Levels are satisfactory – No action recommended. Nitrite levels are low – Please maintain the nitrite level above 800PPM

Reported By,

 Murugara
 Service Engineer



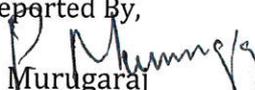
CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	18-05-2020
Sampled By	Crystalline Rep	Sample Location	ADIA -HQ
Sample Type	Chilled Water	Sample Point	HQ-L-16 Chilled Water

TEST RESULT			
No	PARAMETER	CONTROL LIMITS	TEST RESULTS
1	pH at 25°C	9.0 - 10.5	9.98
2	Conductivity at 25°C, µs/cm	Max 3500	1654
3	TDS, ppm	---	1074
4	Iron, ppm as Fe	0 - 2.0	0.12
5	Nitrite, ppm.	>800	630
6	Dip slide	<10 ³	ND

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

COMMENTS AND RECOMMENDATIONS
<ul style="list-style-type: none"> pH Levels are satisfactory – No action recommended. Nitrite Levels are satisfactory – No action recommended.

Reported By,

 Murugaraaj
 Service Engineer



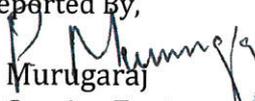
CHILLED WATER ANALYSIS REPORT

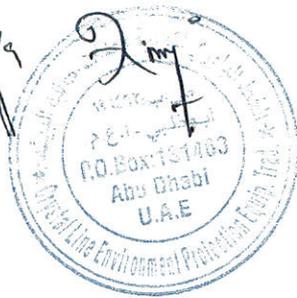
Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	18-05-2020
Sampled By	Crystalline Rep	Sample Location	ADIA -HQ
Sample Type	Chilled Water	Sample Point	HQ-L-32 Chilled Water

TEST RESULT			
No	PARAMETER	CONTROL LIMITS	TEST RESULTS
1	pH at 25°C	9.0 - 10.5	9.85
2	Conductivity at 25°C, µs/cm	Max 3500	2432
3	TDS, ppm	---	1580
4	Iron, ppm as Fe	0 - 2.0	0.12
5	Nitrite, ppm.	>800	940
6	Dip slide	<10 ³	ND

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

COMMENTS AND RECOMMENDATIONS
<ul style="list-style-type: none"> pH Levels are satisfactory – No action recommended. Nitrite Levels are satisfactory – No action recommended.

Reported By,

 Murugara
 Service Engineer



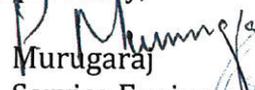
CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	18-05-2020
Sampled By	Crystalline Rep	Sample Location	ADIA -HQ
Sample Type	Chilled Water	Sample Point	HQ-L-37 Chilled Water

TEST RESULT			
No	PARAMETER	CONTROL LIMITS	TEST RESULTS
1	pH at 25°C	9.0 - 10.5	10.21
2	Conductivity at 25°C, µs/cm	Max 3500	641
3	TDS, ppm	---	396
4	Iron, ppm as Fe	0 - 2.0	0.10
5	Nitrite, ppm.	>800	<360
6	Dip slide	<10 ³	ND

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

COMMENTS AND RECOMMENDATIONS
<ul style="list-style-type: none"> pH Levels are satisfactory – No action recommended. Nitrite levels are low – Please maintain the nitrite level above 800PPM

Reported By,

 Murugara
 Service Engineer



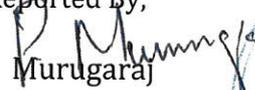
CHILLED WATER ANALYSIS REPORT

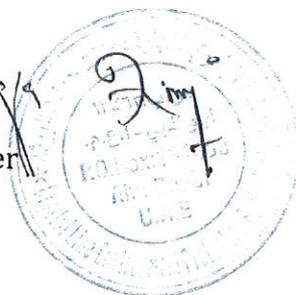
Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	19-05-2020
Sampled By	Crystalline Rep	Sample Location	ADIA -Car Parking
Sample Type	Chilled Water	Sample Point	B2-Chilled Water

TEST RESULT			
No	PARAMETER	CONTROL LIMITS	TEST RESULTS
1	pH at 25°C	9.0 - 10.5	10.36
2	Conductivity at 25°C, µs/cm	Max 3500	1327
3	TDS, ppm	---	862
4	Iron, ppm as Fe	0 - 2.0	0.18
5	Nitrite, ppm.	>800	560
6	Dip slide	<10 ³	ND

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

COMMENTS AND RECOMMENDATIONS
<ul style="list-style-type: none"> pH Levels are satisfactory – No action recommended. Nitrite levels are low – Please maintain the nitrite level above 800PPM

Reported By,

 Murugara
 Service Engineer



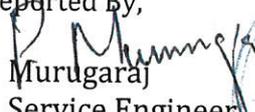
CHILLED WATER ANALYSIS REPORT

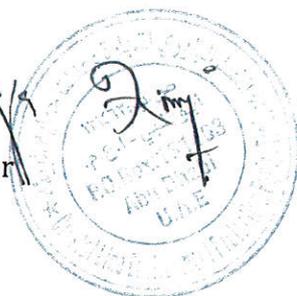
Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	19-05-2020
Sampled By	Crystalline Rep	Sample Location	ADIA -Car Parking
Sample Type	Chilled Water	Sample Point	GF-Chiller Yard – Water Cooled

TEST RESULT			
No	PARAMETER	CONTROL LIMITS	TEST RESULTS
1	pH at 25°C	9.0 - 10.5	8.64
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	Max 3500	364
3	TDS, ppm	---	236
4	Iron, ppm as Fe	0 - 2.0	0.08
5	Nitrite, ppm.	>800	<20
6	Dip slide	<10 ³	ND

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

COMMENTS AND RECOMMENDATIONS
<ul style="list-style-type: none"> pH Levels are satisfactory – No action recommended. Nitrite levels are low – Please maintain the nitrite level above 800PPM

Reported By,

 Murugaraaj
 Service Engineer



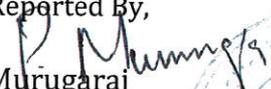
CHILLED WATER ANALYSIS REPORT

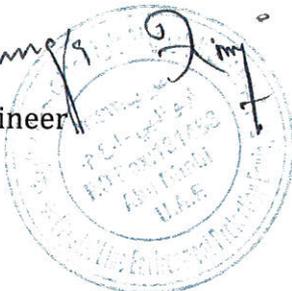
Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	19-05-2020
Sampled By	Crystalline Rep	Sample Location	ADIA -Car Parking
Sample Type	Chilled Water	Sample Point	Roof Top Chiller Yard - Air Cooled

TEST RESULT			
No	PARAMETER	CONTROL LIMITS	TEST RESULTS
1	pH at 25°C	9.0 - 10.5	10.36
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	Max 3500	1453
3	TDS, ppm	---	944
4	Iron, ppm as Fe	0 - 2.0	0.09
5	Nitrite, ppm.	>800	630
6	Dip slide	<10 ³	ND

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

COMMENTS AND RECOMMENDATIONS
<ul style="list-style-type: none"> pH Levels are satisfactory - No action recommended. Nitrite levels are low - Please maintain the nitrite level above 800PPM

Reported By,

 Murugaraj
 Service Engineer



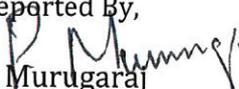
CHILLED WATER ANALYSIS REPORT

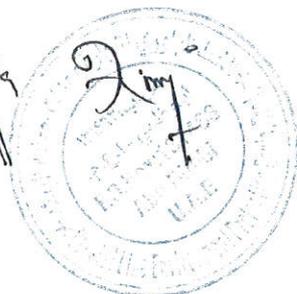
Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	19-05-2020
Sampled By	Crystalline Rep	Sample Location	ADIA -Car Parking
Sample Type	Chilled Water	Sample Point	GF-Secondary Pump Room

TEST RESULT			
No	PARAMETER	CONTROL LIMITS	TEST RESULTS
1	pH at 25°C	9.0 - 10.5	10.41
2	Conductivity at 25°C, µs/cm	Max 3500	1536
3	TDS, ppm	---	998
4	Iron, ppm as Fe	0 - 2.0	0.15
5	Nitrite, ppm.	>800	610
6	Dip slide	<10 ³	ND

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

COMMENTS AND RECOMMENDATIONS
<ul style="list-style-type: none"> pH Levels are satisfactory – No action recommended. Nitrite levels are low – Please maintain the nitrite level above 800PPM

Reported By,

 Murugara
 Service Engineer



CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	19-05-2020
Sampled By	Crystalline Rep	Sample Location	ADIA -Car Parking
Sample Type	Chilled Water	Sample Point	L-06, Chilled Water

TEST RESULT			
No	PARAMETER	CONTROL LIMITS	TEST RESULTS
1	pH at 25°C	9.0 - 10.5	10.43
2	Conductivity at 25°C, µs/cm	Max 3500	1466
3	TDS, ppm	---	952
4	Iron, ppm as Fe	0 - 2.0	0.12
5	Nitrite, ppm.	>800	640
6	Dip slide	<10 ³	ND

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

COMMENTS AND RECOMMENDATIONS
<ul style="list-style-type: none"> pH Levels are satisfactory – No action recommended. Nitrite levels are low – Please maintain the nitrite level above 800PPM

Reported By,

 Murugara
 Service Engineer

