



Microbiology Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-L-2004-6873



Request No.	: WA-Q-L-2004-1115	Sample No.	: WA-S-L-2004-6720
Sampling Date/time	: 11/4/2020 , 16:15	Report Date.	: 14/4/2020
Analysis Start Date.	: 11/4/2020	Analysis End Date.	: 13/4/2020
Sample Location.	: ADIA HQ, Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 0420	Sampling Method	: APHA 9060 A&B
Temperature °C	: 41	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/100 ml	Not Detected	--
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100 ml	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/250 ml	Not Detected	--
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100 ml	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.

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-2004-6882



Request No.	: WA-Q-L-2004-1115	Sample No.	: WA-S-L-2004-6729
Sampling Date/time	: 11/4/2020 , 16:15	Report Date.	: 14/4/2020
Analysis Start Date.	: 11/4/2020	Analysis End Date.	: 13/4/2020
Sample Location.	: ADIA HQ, Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 0420	Sampling Method	: APHA 9060 A&B
Temperature °C	: 10.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 16th Floor Tertiary Pump Room Chilled Water
Sampling Point	: Valve	Preservation	: 4-8°C
Sample Description	: Chilled Water		

Parameters	Test Methods	Units	Results	Specification
Escherichia Coii	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100 ml	Not Detected	--
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100 ml	Not Detected	--
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	70	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250 ml	Not Detected	--
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100 ml	Not Detected	--

Note : Not Detected= \leq 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-2004-6882

Signed for and on behalf of Wimpey Laboratories

Dr. Suresh Murugan Ph.D
Senior Microbiologist



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Microbiology Test Report

Report No. WA-R-L-2004-6884

Customer Details

Crystalline Environmental Services



Request No.	: WA-Q-L-2004-1115	Sample No.	: WA-S-L-2004-6731
Sampling Date/time	: 11/4/2020 , 16:15	Report Date.	: 14/4/2020
Analysis Start Date.	: 11/4/2020	Analysis End Date.	: 13/4/2020
Sample Location.	: ADIA HQ, Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 0421	Sampling Method	: APHA 9060 A&B
Temperature °C	: 9.5	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/100 ml	Not Detected	-
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100 ml	Not Detected	-
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	20	10000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250 ml	Not Detected	-
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100 ml	Not Detected	-

Note : Not Detected= \leq 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.

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-2004-6893

Crystalline Environmental Services



Request No.	: WA-Q-L-2004-1115	Sample No.	: WA-S-L-2004-6740
Sampling Date/time	: 11/4/2020 , 16:15	Report Date.	: 14/4/2020
Analysis Start Date.	: 11/4/2020	Analysis End Date.	: 13/4/2020
Sample Location.	: ADIA HQ, Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 0421	Sampling Method	: APHA 9060 A&B
Temperature °C	: 10.2	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 37 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/100 ml	Not Detected	-
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100 ml	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/250 ml	Not Detected	-
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100 ml	Not Detected	-

Note : Not Detected= \leq 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.

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-2004-6950

Crystalline Environmental Services



Request No.	: WA-Q-L-2004-1126	Sample No.	: WA-S-L-2004-6791
Sampling Date/time	: 12/4/2020 , 16:35	Report Date.	: 14/4/2020
Analysis Start Date.	: 12/4/2020	Analysis End Date.	: 14/4/2020
Sample Location.	: ADIA Car Parking, Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 0422	Sampling Method	: APHA 9060 A&B
Temperature °C	: 9.9	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Basement02, 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/100mi	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= \leq 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
SM	SM	None

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

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-2004-6951

Crystalline Environmental Services



Request No.	: WA-Q-L-2004-1126	Sample No.	: WA-S-L-2004-6792
Sampling Date/time	: 12/4/2020 , 16:35	Report Date.	: 14/4/2020
Analysis Start Date.	: 12/4/2020	Analysis End Date.	: 14/4/2020
Sample Location.	: ADIA Car Parking, Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 0422	Sampling Method	: APHA 9060 A&B
Temperature °C	: 10.4	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Ground Floor Pump 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

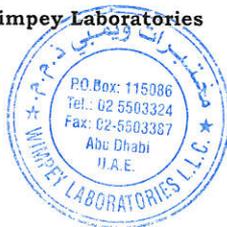
Limit based on DM. Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

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

Analyst	Reviewed By	Method Variation
SM	SM	None

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

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-2004-6952

Crystalline Environmental Services



Request No.	: WA-Q-L-2004-1126	Sample No.	: WA-S-L-2004-6793
Sampling Date/time	: 12/4/2020 , 16:35	Report Date.	: 14/4/2020
Analysis Start Date.	: 12/4/2020	Analysis End Date.	: 14/4/2020
Sample Location.	: ADIA Car Parking, Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 0422	Sampling Method	: APHA 9060 A&B
Temperature °C	: 8.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Lower Ground 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= \leq 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
SM	SM	None

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

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-2004-6953

Crystalline Environmental Services



Request No.	: WA-Q-L-2004-1126	Sample No.	: WA-S-L-2004-6794
Sampling Date/time	: 12/4/2020 , 16:35	Report Date.	: 14/4/2020
Analysis Start Date.	: 12/4/2020	Analysis End Date.	: 14/4/2020
Sample Location.	: ADIA Car Parking, Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 0422	Sampling Method	: APHA 9060 A&B
Temperature °C	: 15.9	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Lower Ground Chiller Plant Room - Chiller Yard (Water Cooled)
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/100mi	Not Detected	--
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	80	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= \leq 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
SM	SM	None

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





Microbiology Test Report

Report No. : WA-R-L-2004-6953

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Senior Microbiologist



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Microbiology Test Report

Customer Details

Report No. WA-R-L-2004-6957

Crystalline Environmental Services



Request No.	: WA-Q-L-2004-1126	Sample No.	: WA-S-L-2004-6798
Sampling Date/time	: 12/4/2020 , 16:35	Report Date.	: 14/4/2020
Analysis Start Date.	: 12/4/2020	Analysis End Date.	: 14/4/2020
Sample Location.	: ADIA Car Parking, Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 0423	Sampling Method	: APHA 9060 A&B
Temperature °C	: 9.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 06th Floor 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= \leq 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
SM	SM	None

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

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-2004-6967



Request No.	: WA-Q-L-2004-1126	Sample No.	: WA-S-L-2004-6803
Sampling Date/time	: 12/4/2020 , 16:35	Report Date.	: 14/4/2020
Analysis Start Date.	: 12/4/2020	Analysis End Date.	: 14/4/2020
Sample Location.	: ADIA Car Parking, Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 0423	Sampling Method	: APHA 9060 A&B
Temperature °C	: 15	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Roof Chiller Plant Room Chilled Water(Air Cooled)
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= \leq 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
SM	SM	None

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



Microbiology Test Report

Report No. : WA-R-L-2004-6967

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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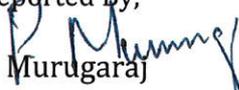
CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	11-04-2020
Sampled By	Crystalline Rep	Sample Location	ADIA -HQ
Sample Type	Chilled Water	Sample Point	HQ-Baseament 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:	11-04-2020
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	9.54
2	Conductivity at 25°C, µs/cm	Max 3500	1860
3	TDS, ppm	---	1209
4	Iron, ppm as Fe	0 - 2.0	0.23
5	Nitrite, ppm.	>800	810
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
Murugara
Service Engineer



CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	11-04-2020
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	9.41
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	Max 3500	2429
3	TDS, ppm	---	1578
4	Iron, ppm as Fe	0 - 2.0	0.17
5	Nitrite, ppm.	>800	1240
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
Murugara
Service Engineer



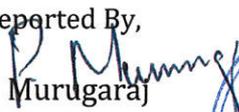
CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	11-04-2020
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	10.37
2	Conductivity at 25°C, µs/cm	Max 3500	266
3	TDS, ppm	---	172
4	Iron, ppm as Fe	0 - 2.0	0.09
5	Nitrite, ppm.	>800	<13
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:	12-04-2020
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	10.46
2	Conductivity at 25°C, µs/cm	Max 3500	1327
3	TDS, ppm	---	862
4	Iron, ppm as Fe	0 - 2.0	0.17
5	Nitrite, ppm.	>800	530
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
Murugara
Service Engineer



CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	12-04-2020
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	10.33
2	Conductivity at 25°C, µs/cm	Max 3500	1527
3	TDS, ppm	---	992
4	Iron, ppm as Fe	0 - 2.0	0.14
5	Nitrite, ppm.	>800	590
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
Murugara
Service Engineer





CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	12-04-2020
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	9.71
2	Conductivity at 25°C, µs/cm	Max 3500	421
3	TDS, ppm	---	273
4	Iron, ppm as Fe	0 - 2.0	0.12
5	Nitrite, ppm.	>800	<7
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

- pH Levels are satisfactory - No action recommended.
- Nitrite levels are low - Please maintain the nitrite level above 800PPM

Reported By,
Murugara
Murugara
Service Engineer



CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	12-04-2020
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	10.38
2	Conductivity at 25°C, µs/cm	Max 3500	1466
3	TDS, ppm	---	952
4	Iron, ppm as Fe	0 - 2.0	0.44
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,
Murugaraj
Service Engineer



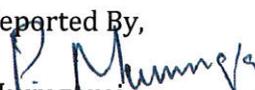
CHILLED WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	12-04-2020
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	10.22
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	Max 3500	1420
3	TDS, ppm	---	923
4	Iron, ppm as Fe	0 - 2.0	0.06
5	Nitrite, ppm.	>800	540
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

