



Microbiology Test Report

Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2102-35774



Request No. : WA-Q-L-2102-05038 Received Date : 15/02/2021 Sample No. : WA-S-L-2102-35319

Sampling Date	: 15/02/2021	Report Date.	: 18/02/2021
Analysis Start Date.	: 15/02/2021	Analysis End Date.	: 17/02/2021
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) – Head Quarters	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 3959	Sampling Method	: APHA 9060 A&B
Temperature °C	: 13	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Chilled Water
Sampling Point	: Basement – Chilled Water	Preservation	: 4-8°C
Sample Description	: Chilled Water	Samplerrefno	: 1

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-Campden Chorleywood Food Research Association.

Signed for and on behalf of Wimpey Laboratories

Dr. Suresh Murugan Ph.D
Head of Microbiology Department



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Microbiology Test Report

Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2102-35780



Request No. : WA-Q-L-2102-05038 Received Date : 15/02/2021 Sample No. : WA-S-L-2102-35325

Sampling Date	: 15/02/2021	Report Date.	: 18/02/2021
Analysis Start Date.	: 15/02/2021	Analysis End Date.	: 17/02/2021
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) – Head Quarters	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 3959	Sampling Method	: APHA 9060 A&B
Temperature °C	: 12	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Tertiary Pump - Chilled Water
Sampling Point	: Level 16- Tertiary Pump Room	Preservation	: 4-8°C
Sample Description	: Water	Samplerrefno	: 7

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-Campden Chorleywood Food Research Association.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D
Head of Microbiology Department

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Microbiology Test Report

Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2102-35787



Request No. : WA-Q-L-2102-05038 Received Date : 15/02/2021 Sample No. : WA-S-L-2102-35332

Sampling Date	: 15/02/2021	Report Date.	: 18/02/2021
Analysis Start Date.	: 15/02/2021	Analysis End Date.	: 17/02/2021
Sample Location.	: Abu Dhabi Investment Authorities (ADIA) – Head Quarters	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 3959	Sampling Method	: APHA 9060 A&B
Temperature °C	: 13	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Chilled Water
Sampling Point	: Level – 32 Chilled Water Plant Room	Preservation	: 4-8°C
Sample Description	: Chilled Water	Samplerrefno	: 14

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-Campden Chorleywood Food Research Association.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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Microbiology Test Report

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Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2103-37022



Request No. : WA-Q-L-2103-05235 Received Date : 15/02/2021 Sample No. : WA-S-L-2103-36553

Sampling Date	: 15/02/2021	Report Date.	: 18/02/2021
Analysis Start Date.	: 15/02/2021	Analysis End Date.	: 18/02/2021
Sample Location.	: ADIA Head Quarters	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 3976	Sampling Method	: APHA 9060 A&B
Temperature °C	: 23	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 37th Floor
Sampling Point	: Plant Room	Preservation	: 4-8°C
Sample Description	: Chilled Water	Samplerrefno	: 1

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

Head of Microbiology Department

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CRYSTALLINE ENVIRONMENTAL SERVICES

WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST

Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	15-02-2021
Sampled By	Crystalline Rep	Sample Location	ADIA -HQ
Sample Type	Chilled Water	Sample Point	HQ-Basement Chilled Water

CHILLED WATER

No	Parameter	Control Limits	Test Results
1	pH at 25°C	9.0 - 10.5	10.37
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	Max 3500	2090
3	TDS, ppm	---	1359
4	Iron, ppm as Fe	0 - 2.0	0.11
5	Nitrite, ppm.	>800	880
6	Dip slide	<10 ³	ND

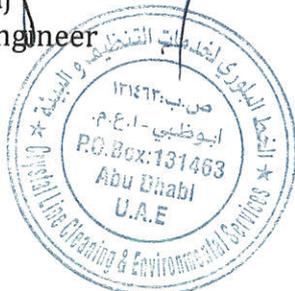
*** All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (μmhos).

COMMENTS AND RECOMMENDATIONS

- All Parameters are within control limit - No action recommended

Reported By,


Murugaraj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST

Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	19-01-2021
Sampled By	Crystalline Rep	Sample Location	ADIA -HQ
Sample Type	Chilled Water	Sample Point	HQ-L-16 Chilled Water

CHILLED WATER

No	Parameter	Control Limits	Test Results
1	pH at 25°C	9.0 - 10.5	9.89
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	Max 3500	2380
3	TDS, ppm	---	1547
4	Iron, ppm as Fe	0 - 2.0	0.12
5	Nitrite, ppm.	>800	1020
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

- All Parameters are within control limit - No action recommended

Reported By,


Murugaraj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST

Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	15-02-2021
Sampled By	Crystalline Rep	Sample Location	ADIA -HQ
Sample Type	Chilled Water	Sample Point	HQ-L-32 Chilled Water

CHILLED WATER

No	Parameter	Control Limits	Test Results
1	pH at 25°C	9.0 - 10.5	9.62
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	Max 3500	2610
3	TDS, ppm	---	1696
4	Iron, ppm as Fe	0 - 2.0	0.13
5	Nitrite, ppm.	>800	1070
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

- All Parameters are within control limit - No action recommended

Reported By,


Murugaraj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST

Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	15-02-2021
Sampled By	Crystalline Rep	Sample Location	ADIA -HQ
Sample Type	Chilled Water	Sample Point	HQ-L-37 Chilled Water

CHILLED WATER

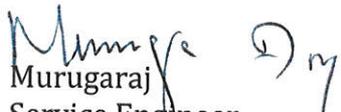
No	Parameter	Control Limits	Test Results
1	pH at 25°C	9.0 - 10.5	9.87
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	Max 3500	2247
3	TDS, ppm	---	1460
4	Iron, ppm as Fe	0 - 2.0	0.12
5	Nitrite, ppm.	>800	970
6	Dip slide	<10 ³	ND

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

COMMENTS AND RECOMMENDATIONS

- All Parameters are within control limit - No action recommended

Reported By,


Murugaraj
Service Engineer



CLEANER WATER GREENER TOMORROW



Microbiology Test Report

Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2102-35564



Request No. : WA-Q-L-2102-05010

Received Date : 13/02/2021

Sample No. : WA-S-L-2102-35098

Sampling Date	: 13/02/2021	Report Date.	: 17/02/2021
Analysis Start Date.	: 13/02/2021	Analysis End Date.	: 16/02/2021
Sample Location.	: ADIA Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 3892	Sampling Method	: APHA 9060 A&B
Temperature °C	: 12.4	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Level 07 Roof Plant Room
Sampling Point	: Chilled Water (Air Cooled)	Preservation	: 4-8°C
Sample Description	: Water	Samplerrefno	: 20

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
SN	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
Head of Microbiology Department

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Microbiology Test Report

Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Musaffah, Abu Dhabi, UAE.

Report No. WA-R-L-2102-35563



Request No. : WA-Q-L-2102-05010

Received Date : 13/02/2021

Sample No. : WA-S-L-2102-35097

Sampling Date	: 13/02/2021	Report Date.	: 17/02/2021
Analysis Start Date.	: 13/02/2021	Analysis End Date.	: 16/02/2021
Sample Location.	: ADIA Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Chilled Water
Sample Certificate No	: 3892	Sampling Method	: APHA 9060 A&B
Temperature °C	: 11.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Level 06, Chilled Water
Sampling Point	: Chilled Water	Preservation	: 4-8°C
Sample Description	: Water	Samplerrefno	: 19

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
SN	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

Head of Microbiology Department

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2102-35553

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45: Mussafah, Abu Dhabi, UAE.



Request No. : WA-Q-L-2102-05010

Received Date : 13/02/2021

Sample No. : WA-S-L-2102-35087

Sampling Date	: 13/02/2021	Report Date.	: 17/02/2021
Analysis Start Date.	: 13/02/2021	Analysis End Date.	: 16/02/2021
Sample Location.	: ADIA Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Chilled Water
Sample Certificate No	: 3892	Sampling Method	: APHA 9060 A&B
Temperature °C	: 11.9	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: LG Floor Chilled Water Plant Room
Sampling Point	: Chilled Water	Preservation	: 4-8°C
Sample Description	: Water	Samplerrefno	: 9

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
SN	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
Head of Microbiology Department



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Microbiology Test Report

Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2102-35552



Request No. : WA-Q-L-2102-05010

Received Date : 13/02/2021

Sample No. : WA-S-L-2102-35086

Sampling Date : 13/02/2021

Report Date. : 17/02/2021

Analysis Start Date. : 13/02/2021

Analysis End Date. : 16/02/2021

Sample Location. : ADIA Car Parking

Sampled By : Shoukth

Sample Identification : Not Applicable

Sample Submitted as : Chilled Water

Sample Certificate No : 3892

Sampling Method : APHA 9060 A&B

Temperature °C : 18.9

Site Observation : Clear

Sampling Container : Sterile Plastic Bottle

Source of Sample : LG Floor Chilled Water

Sampling Point : Chilled Water (Water Cooled)

Preservation : 4-8°C

Sample Description : Water

Samplerrefno : 8

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

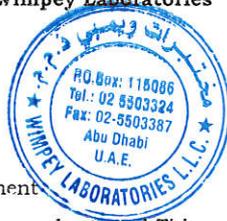
Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

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

Analyst	Reviewed By	Method Variation
SN	SM	None

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

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Dr. Suresh Murugan Ph.D

Head of Microbiology Department

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Microbiology Test Report

Customer Details

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2102-35551



Request No. : WA-Q-L-2102-05010

Received Date : 13/02/2021

Sample No. : WA-S-L-2102-35085

Sampling Date	: 13/02/2021	Report Date.	: 17/02/2021
Analysis Start Date.	: 13/02/2021	Analysis End Date.	: 16/02/2021
Sample Location.	: ADIA Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Chiller Water
Sample Certificate No	: 3892	Sampling Method	: APHA 9060 A&B
Temperature °C	: 12.4	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Ground Floor Secondary Pump Room
Sampling Point	: Chilled Water	Preservation	: 4-8°C
Sample Description	: Water	Samplerrefno	: 7

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
SN	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.
Head of Microbiology Department

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2102-35545

Crystalline Cleaning & Environmental Services

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.



Request No. : WA-Q-L-2102-05010

Received Date : 13/02/2021

Sample No. : WA-S-L-2102-35079

Sampling Date	: 13/02/2021	Report Date.	: 17/02/2021
Analysis Start Date.	: 13/02/2021	Analysis End Date.	: 16/02/2021
Sample Location.	: ADIA Car Parking	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Chiller Water
Sample Certificate No	: 3892	Sampling Method	: APHA 9060 A&B
Temperature °C	: 10.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Basement - 02, Chilled Water
Sampling Point	: Chilled Water	Preservation	: 4-8°C
Sample Description	: Water	Samplerrefno	: 1

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
SN	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

Head of Microbiology Department



Test results relate only to the samples tested. This report shall not be reproduced except in full, without the written approval of the Laboratory. This is a LIMS software generated document with E Signature.

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CRYSTALLINE ENVIRONMENTAL SERVICES

WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST

Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	13-02-2021
Sampled By	Crystalline Rep	Sample Location	ADIA -Car Parking
Sample Type	Chilled Water	Sample Point	Roof Top Chiller Yard - Air Cooled

CHILLED WATER

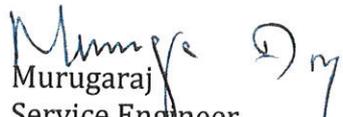
No	Parameter	Control Limits	Test Results
1	pH at 25°C	9.0 - 10.5	10.12
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	Max 3500	2210
3	TDS, ppm	---	1436
4	Iron, ppm as Fe	0 - 2.0	<0.05
5	Nitrite, ppm.	>800	870
6	Dip slide	<10 ³	ND

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

COMMENTS AND RECOMMENDATIONS

- All Parameters are within control limit - No action recommended

Reported By,


Murugaraj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	13-02-2021
Sampled By	Crystalline Rep	Sample Location	ADIA -Car Parking
Sample Type	Chilled Water	Sample Point	L-06, Chilled Water

CHILLED WATER

No	Parameter	Control Limits	Test Results
1	pH at 25°C	9.0 - 10.5	10.24
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	Max 3500	2216
3	TDS, ppm	---	1440
4	Iron, ppm as Fe	0 - 2.0	0.12
5	Nitrite, ppm.	>800	1070
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

- All Parameters are within control limit - No action recommended

Reported By,


Murugaraj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	13-02-2021
Sampled By	Crystalline Rep	Sample Location	ADIA -Car Parking
Sample Type	Chilled Water	Sample Point	GF-Secondary Pump Room

CHILLED WATER

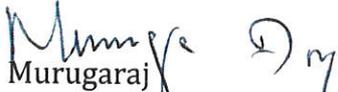
No	Parameter	Control Limits	Test Results
1	pH at 25°C	9.0 - 10.5	10.22
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	Max 3500	2107
3	TDS, ppm	---	1372
4	Iron, ppm as Fe	0 - 2.0	0.21
5	Nitrite, ppm.	>800	850
6	Dip slide	<10 ³	ND

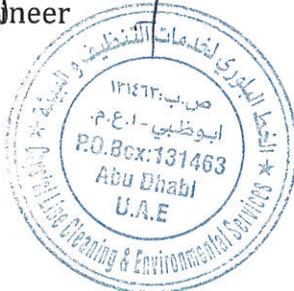
*** All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (μmhos).

COMMENTS AND RECOMMENDATIONS

- All Parameters are within control limit - No action recommended

Reported By,


Murugaraj
Service Engineer





CRYSTALLINE ENVIRONMENTAL SERVICES

WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	13-02-2021
Sampled By	Crystalline Rep	Sample Location	ADIA -Car Parking
Sample Type	Chilled Water	Sample Point	B2-Chilled Water

CHILLED WATER

No	Parameter	Control Limits	Test Results
1	pH at 25°C	9.0 - 10.5	10.14
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	Max 3500	1870
3	TDS, ppm	---	1219
4	Iron, ppm as Fe	0 - 2.0	0.17
5	Nitrite, ppm.	>800	890
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

- All Parameters are within control limit - No action recommended

Reported By,


Murugaraj
Service Engineer



CLEANER WATER GREENER TOMORROW