



Microbiology Test Report

Customer Details

Report No. WA-R-L-2005-9371

Crystalline Environmental Services



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9165
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	: Water
Sample Certificate No	: 0814	Sampling Method	: APHA 9060 A&B
Temperature °C	: 38.7°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Basement Shower Room Hot Water
Sampling Point	: Water Tap	Preservation	: 4-8°C
Sample Description	: Water		

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters

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.



Microbiology Test Report

Report No. : WA-R-L-2005-9371

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-2005-9373

Crystalline Environmental Services



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9167
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	: Water
Sample Certificate No	: 0814	Sampling Method	: APHA 9060 A&B
Temperature °C	: 45.5°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Lowerground Floor Calorifier No. 04 Hot Water
Sampling Point	: Valve	Preservation	: 4-8°C
Sample Description	: Water		

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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.



Microbiology Test Report

Report No. : WA-R-L-2005-9373

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2005-9374

Crystalline Environmental Services



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9168
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	: Water
Sample Certificate No	: 0814	Sampling Method	: APHA 9060 A&B
Temperature °C	: 45.6°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Lowerground Floor Calorifier No. 05 Hot Water
Sampling Point	: Valve	Preservation	: 4-8°C
Sample Description	: Water		

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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.



Microbiology Test Report

Report No. : WA-R-L-2005-9374

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-2005-9376



Request No. : WA-Q-L-2005-1481	Sample No. : WA-S-L-2005-9170
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 : Water
Sample Certificate No : 0814	Sampling Method : APHA 9060 A&B
Temperature °C : 32.1°C	Site Observation : Clear
Sampling Container : Sterile Plastic Bottle	Source of Sample : Mezzanine Floor Kitchen Hot Water
Sampling Point : Water Tap	Preservation : 4-8°C
Sample Description : Water	

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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.



Microbiology Test Report

Report No. : WA-R-L-2005-9376

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

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Microbiology Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-L-2005-9378



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9172
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	: Water
Sample Certificate No	: 0814	Sampling Method	: APHA 9060 A&B
Temperature °C	: 35.1°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 16th Floor Wing A Pantry Hot Water
Sampling Point	: Water Tap	Preservation	: 4-8°C
Sample Description	: Water		

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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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Testing - NAL 034

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Microbiology Test Report

Report No. : WA-R-L-2005-9378

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Senior Microbiologist



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Microbiology Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-L-2005-9380



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9174
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	: Water
Sample Certificate No	: 0814	Sampling Method	: APHA 9060 A&B
Temperature °C	: 26.7°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 16th Floor Wing B Pantry Hot Water
Sampling Point	: Water Tap	Preservation	: 4-8°C
Sample Description	: Water		

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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.



Microbiology Test Report

Report No. : WA-R-L-2005-9380

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Microbiology Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-L-2005-9495



Request No.	: WA-Q-L-2005-1496	Sample No.	: WA-S-L-2005-9296
Sampling Date/time	: 19/5/2020 , 10:25	Report Date.	: 26/5/2020
Analysis Start Date.	: 19/5/2020	Analysis End Date.	: 22/5/2020
Sample Location.	: ADIA Head Quarters - Abu Dhabi	Sampled By	: Shoukth
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 0822	Sampling Method	: APHA 9060 A&B
Temperature °C	: 45.1°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 36th Floor Shower Room
Sampling Point	: Hot Water - Showerhead	Preservation	: 4-8°C
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	500CFU/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-2005-9495

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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-2005-9535



Request No.	: WA-Q-L-2005-1498	Sample No.	: WA-S-L-2005-9355
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	: 0817	Sampling Method	: APHA 9060 A & B
Temperature °C	: 38.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Basement 03 - Mess Hall - Hot Water
Sampling Point	: Water Tap	Sample Description	: Water

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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-2005-9535

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-2005-9545



Request No.	: WA-Q-L-2005-1498	Sample No.	: WA-S-L-2005-9365
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	: 37	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 01st Floor Driver Room - Hot Water
Sampling Point	: Water Tap	Sample Description	: Water

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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-2005-9545

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Senior Microbiologist

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POTABLE 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	Location	ADIA - HQ
Sample Type	Potable Water (Hot Outlet)	Sample Point	Basement Shower Room

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.85
2	Conductivity at 25°C, µs/cm	----	241
3	Total Dissolved Solids (TDS)	Max 1000	156
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	<0.04
7	Calcium Hardness at 25°C	200	48
8	Total Hardness at 25°C	300	59

Inorganic Chemical Parameters

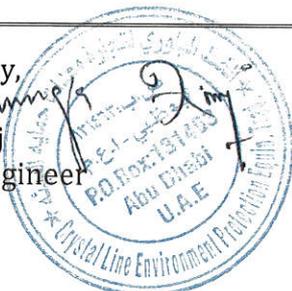
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	42
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Service Engineer





POTABLE 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	Location	ADIA - HQ
Sample Type	Potable Water (Hot Outlet)	Sample Point	LG- Calorifier # 04

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.23
2	Conductivity at 25°C, µs/cm	----	231
3	Total Dissolved Solids (TDS)	Max 1000	150
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	<0.06
7	Calcium Hardness at 25°C	200	54
8	Total Hardness at 25°C	300	62

Inorganic Chemical Parameters

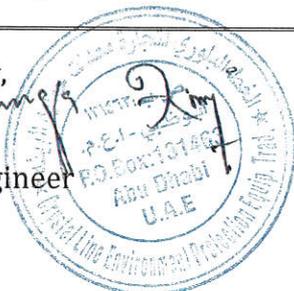
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	48
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Service Engineer



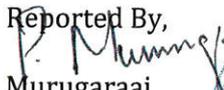
POTABLE WATER ANALYSIS REPORT

Client Name: SERCO, MIDDLE EAST			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	18-05-2020
Sampled By	Crystalline Rep	Location	ADIA - HQ
Sample Type	Potable Water (Hot Outlet)	Sample Point	LG- Calorifier # 05

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.32
2	Conductivity at 25°C, µs/cm	----	224
3	Total Dissolved Solids (TDS)	Max 1000	145
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	<0.04
7	Calcium Hardness at 25°C	200	51
8	Total Hardness at 25°C	300	59
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	47
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

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

COMMENTS AND RECOMMENDATIONS	
1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

 Murugaraaj
 Service Engineer



POTABLE 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	Location	ADIA - HQ
Sample Type	Potable Water (Hot Outlet)	Sample Point	HQ Mezzanine Floor Kitchen

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.21
2	Conductivity at 25°C, µs/cm	----	211
3	Total Dissolved Solids (TDS)	Max 1000	137
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	<0.05
7	Calcium Hardness at 25°C	200	47
8	Total Hardness at 25°C	300	56

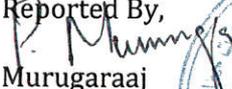
Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	45
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

 Murugaraaj
 Service Engineer





POTABLE 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	Location	ADIA - HQ
Sample Type	Potable Water (Hot Outlet)	Sample Point	Wing 16A pantry

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.76
2	Conductivity at 25°C, µs/cm	----	209
3	Total Dissolved Solids (TDS)	Max 1000	138
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	<0.03
7	Calcium Hardness at 25°C	200	54
8	Total Hardness at 25°C	300	61

Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	41
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
P. Murugaraaj
Murugaraaj
Service Engineer



POTABLE 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	Location	ADIA - HQ
Sample Type	Potable Water (Hot Outlet)	Sample Point	Wing 31B pantry

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.17
2	Conductivity at 25°C, µs/cm	----	221
3	Total Dissolved Solids (TDS)	Max 1000	143
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	<0.03
7	Calcium Hardness at 25°C	200	49
8	Total Hardness at 25°C	300	55

Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	48
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

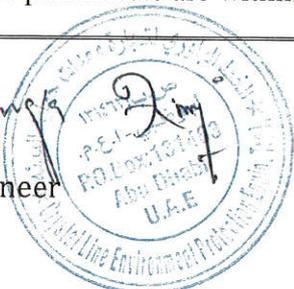
*** All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos).

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

 Murugaraaj
 Service Engineer





POTABLE 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	Location	ADIA - HQ
Sample Type	Potable Water (Hot Outlet))	Sample Point	L 36 Shower Room

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.29
2	Conductivity at 25°C, $\mu\text{s/cm}$	----	231
3	Total Dissolved Solids (TDS)	Max 1000	150
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	<0.04
7	Calcium Hardness at 25°C	200	49
8	Total Hardness at 25°C	300	53

Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	46
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

*** All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Service Engineer



POTABLE 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	Location	ADIA - Car Parking
Sample Type	Potable Water (Hot Outlet)	Sample Point	B3 - Mess Hall

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.29
2	Conductivity at 25°C, µs/cm	----	239
3	Total Dissolved Solids (TDS)	Max 1000	155
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	<0.04
7	Calcium Hardness at 25°C	200	56
8	Total Hardness at 25°C	300	62

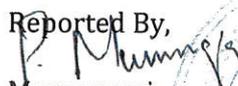
Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	47
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

 Murugaraaj
 Service Engineer



