



Microbiology Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-L-2005-9369



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9163
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	: 22.1°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Basement Clinic Cold 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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Wimpey Laboratories LLC

P.O. Box 115086, Musaffah M-34, Abu Dhabi, U.A.E.  
Tel: +971 2 5503324, Fax: +971 2 5503387



Testing - NAL 034  
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Microbiology Test Report

Report No. : WA-R-L-2005-9369

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-2005-9370

Customer Details

Crystalline Environmental Services



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9164
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	: 23.9°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Basement Shower Room Cold 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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Report No. : WA-R-L-2005-9370

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Senior Microbiologist

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**Microbiology Test Report**

**Customer Details**

Report No. WA-R-L-2005-9375

**Crystalline Environmental Services**



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9169
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	: 24°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Mezzanine Floor Kitchen Cold 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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Wimpey Laboratories LLC

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Tel: +971 2 5503324, Fax: +971 2 5503387



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Microbiology Test Report

Report No. : WA-R-L-2005-9375

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-2005-9377



Request No. : WA-Q-L-2005-1481	Sample No. : WA-S-L-2005-9171
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 : 24.5°C	Site Observation : Clear
Sampling Container : Sterile Plastic Bottle	Source of Sample : 16th Floor Wing A Pantry Cold 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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**Microbiology Test Report**

Report No. : WA-R-L-2005-9377

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-2005-9379

Crystalline Environmental Services



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9173
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	: 23.9°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 16th Floor Wing B Pantry Cold 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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Tel: +971 2 5503324, Fax: +971 2 5503387



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Microbiology Test Report

Report No. : WA-R-L-2005-9379

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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-2005-9382

**Crystalline Environmental Services**



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9176
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	: 25.1°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 31st Floor Wing B Pantry Cold 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/100ml
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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Microbiology Test Report

Report No. : WA-R-L-2005-9382

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Senior Microbiologist

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2005-9384

Crystalline Environmental Services



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9178
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	: 0820	Sampling Method	: APHA 9060 A&B
Temperature °C	: 22.1°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 32 Floor Wing A Pantry Cold 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= $\leq$ 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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Microbiology Test Report

Report No. : WA-R-L-2005-9384

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Senior Microbiologist

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2005-9385

Crystalline Environmental Services



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9179
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	: 0820	Sampling Method	: APHA 9060 A&B
Temperature °C	: 22.9°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 33 Floor Wing A Pantry Cold 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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Microbiology Test Report

Report No. : WA-R-L-2005-9385

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Senior Microbiologist

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**Microbiology Test Report**

**Customer Details**

Report No. WA-R-L-2005-9386

**Crystalline Environmental Services**



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9180
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	: 0820	Sampling Method	: APHA 9060 A&B
Temperature °C	: 22.6°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 34 Floor Wing A Pantry Cold 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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Microbiology Test Report

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Senior Microbiologist

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Microbiology Test Report

Customer Details

Report No. WA-R-L-2005-9387

Crystalline Environmental Services



Request No.	: WA-Q-L-2005-1481	Sample No.	: WA-S-L-2005-9181
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	: 0820	Sampling Method	: APHA 9060 A&B
Temperature °C	: 22.7°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 35 Floor Wing A Pantry Cold 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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P.O. Box 115086, Musaffah M-34, Abu Dhabi, U.A.E.  
Tel: +971 2 5503324, Fax: +971 2 5503387



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Microbiology Test Report

Report No. : WA-R-L-2005-9387

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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-2005-9493

**Crystalline Environmental Services**



Request No.	: WA-Q-L-2005-1496	Sample No.	: WA-S-L-2005-9294
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	: 24°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 36th Floor Wing A Pantry
Sampling Point	: Cold Water - Tap Water	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
JY	SM	None

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





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Wimpey Laboratories LLC

P.O. Box 115086, Musaffah M-34, Abu Dhabi, U.A.E.  
Tel: +971 2 5503324, Fax: +971 2 5503387



Testing - NAL 034  
Testing - NAL 034

**Microbiology Test Report**

Report No. : WA-R-L-2005-9493

**Signed for and on behalf of Wimpey Laboratories**



**Dr. Suresh Murugan Ph.D**

Senior Microbiologist

Test results relate only to the samples tested.

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**Microbiology Test Report**

**Customer Details**

**Crystalline Environmental Services**

Report No. WA-R-L-2005-9494



Request No.	: WA-Q-L-2005-1496	Sample No.	: WA-S-L-2005-9295
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	: 22.1°C	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 36th Floor Shower Room
Sampling Point	: Cold 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 aeroginosa	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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Tel: +971 2 5503324, Fax: +971 2 5503387



Testing - NAL 034  
Testing - NAL 034

**Microbiology Test Report**

Report No. : WA-R-L-2005-9494

**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-2005-9534



Request No.	: WA-Q-L-2005-1498	Sample No.	: WA-S-L-2005-9354
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	: 26.9	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Basement 03 - Mess Hall - Cold 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-2005-9534

**Signed for and on behalf of Wimpey Laboratories**

**Dr. Suresh Murugan Ph.D**  
Senior Microbiologist



Test results relate only to the samples tested.

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Microbiology Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-L-2005-9544



Request No.	: WA-Q-L-2005-1498	Sample No.	: WA-S-L-2005-9364
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	: 29.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 01st Floor Driver Room - Cold 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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Wimpey Laboratories LLC

P.O. Box 115086, Musaffah M-34, Abu Dhabi, U.A.E.  
Tel: +971 2 5503324, Fax: +971 2 5503387



Testing - NAL 034

Testing - NAL 034

Microbiology Test Report

Report No. : WA-R-L-2005-9544

Signed for and on behalf of Wimpey Laboratories

**Dr. Suresh Murugan Ph.D**

Senior Microbiologist



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## POTABLE WATER ANALYSIS REPORT

<b>Client Name: SERCO, MIDDLE EAST</b>			
<b>Site location</b>	Abu Dhabi Investment Authority, Abu Dhabi	<b>Service Visit:</b>	18-05-2020
<b>Sampled By</b>	Crystalline Rep	<b>Location</b>	ADIA - HQ
<b>Sample Type</b>	Potable Water (Cold Outlet)	<b>Sample Point</b>	Basement - Clinic

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.91
2	Conductivity at 25°C, µs/cm	----	214
3	Total Dissolved Solids (TDS)	Max 1000	139
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.16
7	Calcium Hardness at 25°C	200	52
8	Total Hardness at 25°C	300	61

### Inorganic Chemical Parameters

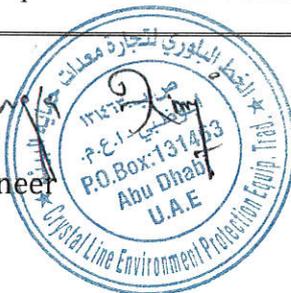
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	48
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

\*\*\* All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> 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**

<b>Site location</b>	<b>Abu Dhabi Investment Authority, Abu Dhabi</b>	<b>Service Visit:</b>	<b>18-05-2020</b>
<b>Sampled By</b>	<b>Crystalline Rep</b>	<b>Location</b>	<b>ADIA - HQ</b>
<b>Sample Type</b>	<b>Potable Water (Cold Outlet)</b>	<b>Sample Point</b>	<b>HQ Mezzanine Floor-Kitchen</b>

	<b>Parameter</b>	<b>Control Limits</b>	<b>Test Results</b>
1	pH at 25°C	7.0 - 9.2	7.89
2	Conductivity at 25°C, µs/cm	----	236
3	Total Dissolved Solids (TDS)	Max 1000	153
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.16
7	Calcium Hardness at 25°C	200	57
8	Total Hardness at 25°C	300	65

### 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 CaCO<sub>3</sub> 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

<b>Client Name: SERCO, MIDDLE EAST</b>			
<b>Site location</b>	<b>Abu Dhabi Investment Authority, Abu Dhabi</b>	<b>Service Visit:</b>	<b>18-05-2020</b>
<b>Sampled By</b>	<b>Crystalline Rep</b>	<b>Location</b>	<b>ADIA - HQ</b>
<b>Sample Type</b>	<b>Potable Water (Cold Outlet)</b>	<b>Sample Point</b>	<b>Basement Shower Room</b>

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.82
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	0.19
7	Calcium Hardness at 25°C	200	54
8	Total Hardness at 25°C	300	62

### Inorganic Chemical Parameter

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 CaCO<sub>3</sub> 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

<b>Client Name: SERCO, MIDDLE EAST</b>			
<b>Site location</b>	<b>Abu Dhabi Investment Authority, Abu Dhabi</b>	<b>Service Visit:</b>	<b>18-05-2020</b>
<b>Sampled By</b>	<b>Crystalline Rep</b>	<b>Location</b>	<b>ADIA - HQ</b>
<b>Sample Type</b>	<b>Potable Water (Cold Outlet)</b>	<b>Sample Point</b>	<b>Wing 16 A Pantry</b>

	<b>Parameter</b>	<b>Control Limits</b>	<b>Test Results</b>
1	pH at 25°C	7.0 - 9.2	7.93
2	Conductivity at 25°C, µs/cm	----	199
3	Total Dissolved Solids (TDS)	Max 1000	129
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.11
7	Calcium Hardness at 25°C	200	55
8	Total Hardness at 25°C	300	66

### Inorganic Chemical Parameters

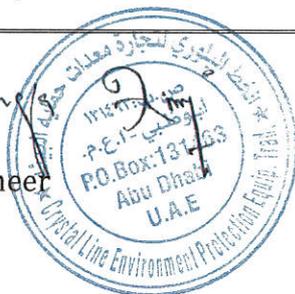
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	47
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

\*\*\* All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> 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

<b>Client Name: SERCO, MIDDLE EAST</b>			
<b>Site location</b>	Abu Dhabi Investment Authority, Abu Dhabi	<b>Service Visit:</b>	18-05-2020
<b>Sampled By</b>	Crystalline Rep	<b>Location</b>	ADIA - HQ
<b>Sample Type</b>	Potable Water (Cold Outlet)	<b>Sample Point</b>	Wing 16 B Pantry

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.96
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	0.11
7	Calcium Hardness at 25°C	200	54
8	Total Hardness at 25°C	300	62

### Inorganic Chemical Parameters

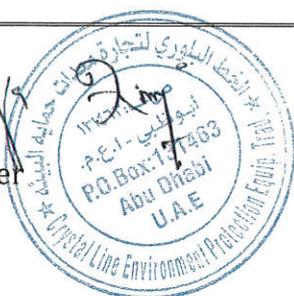
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	46
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

\*\*\* All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> 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

<b>Client Name: SERCO, MIDDLE EAST</b>			
<b>Site location</b>	<b>Abu Dhabi Investment Authority, Abu Dhabi</b>	<b>Service Visit:</b>	<b>18-05-2020</b>
<b>Sampled By</b>	<b>Crystalline Rep</b>	<b>Location</b>	<b>ADIA - HQ</b>
<b>Sample Type</b>	<b>Potable Water (Cold Outlet)</b>	<b>Sample Point</b>	<b>Wing 31 B Pantry</b>

	<b>Parameter</b>	<b>Control Limits</b>	<b>Test Results</b>
1	pH at 25°C	7.0 - 9.2	7.83
2	Conductivity at 25°C, µs/cm	----	258
3	Total Dissolved Solids (TDS)	Max 1000	167
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.19
7	Calcium Hardness at 25°C	200	53
8	Total Hardness at 25°C	300	58

### Inorganic Chemical Parameters

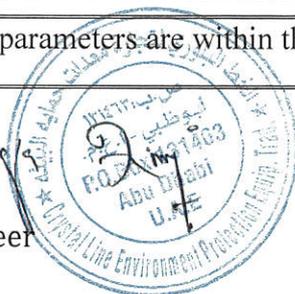
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	49
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

\*\*\* All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> 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**

<b>Site location</b>	<b>Abu Dhabi Investment Authority, Abu Dhabi</b>	<b>Service Visit:</b>	<b>18-05-2020</b>
<b>Sampled By</b>	<b>Crystalline Rep</b>	<b>Location</b>	<b>ADIA - HQ</b>
<b>Sample Type</b>	<b>Potable Water (Cold Outlet)</b>	<b>Sample Point</b>	<b>L 36 Shower Room</b>

	<b>Parameter</b>	<b>Control Limits</b>	<b>Test Results</b>
1	pH at 25°C	7.0 - 9.2	7.99
2	Conductivity at 25°C, µs/cm	----	209
3	Total Dissolved Solids (TDS)	Max 1000	135
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.17
7	Calcium Hardness at 25°C	200	53
8	Total Hardness at 25°C	300	61

### Inorganic Chemical Parameters

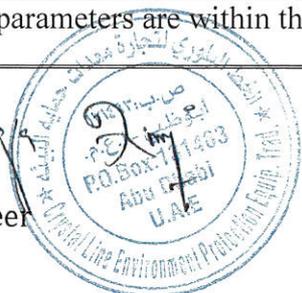
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	44
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

\*\*\* All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> 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*  
Murugaraaj  
Service Engineer



## POTABLE WATER ANALYSIS REPORT

<b>Client Name: SERCO, MIDDLE EAST</b>			
Site location	Abu Dhabi Investment Authority, Abu Dhabi	Service Visit:	18-05-2020
Sampled By	Crystalline Rep	Location	ADIA - HQ
Sample Type	Potable Water (Cold Outlet)	Sample Point	L 36 Pantry

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.99
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	0.15
7	Calcium Hardness at 25°C	200	53
8	Total Hardness at 25°C	300	62

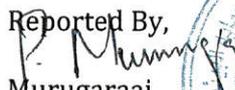
### Inorganic Chemical Parameters

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 CaCO<sub>3</sub> 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

<b>Client Name: SERCO, MIDDLE EAST</b>			
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 (Cold Outlet)	Sample Point	B3 - Mess Hall

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.86
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	0.11
7	Calcium Hardness at 25°C	200	56
8	Total Hardness at 25°C	300	61

### Inorganic Chemical Parameters

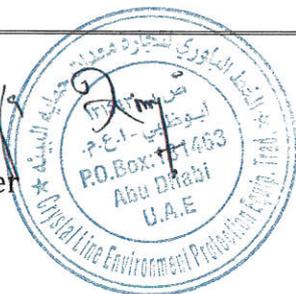
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	58
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

\*\*\* All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> 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

<b>Client Name: SERCO, MIDDLE EAST</b>			
<b>Site location</b>	<b>Abu Dhabi Investment Authority, Abu Dhabi</b>	<b>Service Visit:</b>	<b>20-05-2020</b>
<b>Sampled By</b>	<b>Crystalline Rep</b>	<b>Location</b>	<b>ADIA - CAR PARKING</b>
<b>Sample Type</b>	<b>Potable Water (Cold Outlet)</b>	<b>Sample Point</b>	<b>L1- Driver Shower Room</b>

	<b>Parameter</b>	<b>Control Limits</b>	<b>Test Results</b>
1	pH at 25°C	7.0 - 9.2	8.33
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	0.12
7	Calcium Hardness at 25°C	200	48
8	Total Hardness at 25°C	300	56

### Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	49
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<sub>3</sub> 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*  
Murugaraaj  
Service Engineer

