



**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-2101-31954



Request No. : WA-Q-L-2101-04508

Sample No. : WA-S-L-2101-31411

Sampling Date	: 07/01/2021	Report Date.	: 10/01/2021
Analysis Start Date.	: 07/01/2021	Analysis End Date.	: 09/01/2021
Sample Location.	: City of Lights Addax Tower	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 3284	Sampling Method	: APHA 9060 A&B
Temperature °C	: 12.4	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Basement 2
Sampling Point	: Pump Room	Preservation	: 4-8°C
Sample Description	: Chilled Water		

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

Note : Not Detected=<1CFU

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.

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



**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department

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**Legionella 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-2101-31955



Request No. : WA-Q-L-2101-04508

Sample No. : WA-S-L-2101-31412

Sampling Date	: 07/01/2021	Report Date.	: 18/01/2021
Analysis Start Date.	: 07/01/2021	Analysis End Date.	: 17/01/2021
Sample Location.	: City of Lights Addax Tower	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 3284	Sampling Method	: BS 7592
Temperature °C	: 12.4	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Basement 2
Sampling Point	: Pump Room	Preservation	: 10°C
Sample Description	: Chilled Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	100CFU/L

Note : Limit of Detection=<20CFU/L

Procedure: WSOP-MB-0051. Filtration, Washing, Heat Treatment, Acid Treatment followed by Plating on GVPC/BCYE Agar.

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

**Remarks :The tested result of the sample is found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization.

**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-2101-31952



Request No. : WA-Q-L-2101-04508

Sample No. : WA-S-L-2101-31409

Sampling Date	: 07/01/2021	Report Date.	: 11/01/2021
Analysis Start Date.	: 07/01/2021	Analysis End Date.	: 10/01/2021
Sample Location.	: City of Lights Addax Tower	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 3284	Sampling Method	: APHA 9060 A&B
Temperature °C	: 9.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 31th Floor
Sampling Point	: Pump Room	Preservation	: 4-8°C
Sample Description	: Chilled Water		

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

Note : Not Detected=<1CFU

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.

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

**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department



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**Legionella 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-2101-31953



Request No. : WA-Q-L-2101-04508

Sample No. : WA-S-L-2101-31410

Sampling Date	: 07/01/2021	Report Date.	: 18/01/2021
Analysis Start Date.	: 07/01/2021	Analysis End Date.	: 17/01/2021
Sample Location.	: City of Lights Addax Tower	Sampled By	: Shoukth
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 3284	Sampling Method	: BS 7592
Temperature °C	: 9.1	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: 31th Floor
Sampling Point	: Pump Room	Preservation	: 10°C
Sample Description	: Chilled Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	100CFU/L

Note : Limit of Detection=<20CFU/L

Procedure: WSOP-MB-0051. Filtration, Washing, Heat Treatment, Acid Treatment followed by Plating on GVPC/BCYE Agar.

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

**Remarks :The tested result of the sample is found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization.

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

**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department



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CLIENT: TAFAWUQ FACILITY MANAGEMENT  
 SITE: CITY OF LIGHTS  
 AL REEM ISLAND  
 ABU DHABI

VISIT DATE: 26 Jan 2021

### CHILLED WATER ANALYSIS

Test	Addax LZ	Addax LZ			
pH	10.09	10.16			
	8.5 - 10.0	8.5 - 10.0			
Conductivity, µs/cm	2264	2287			
	< 2250	< 2250			
Total Dissolved Solid, ppm	1471	1486			
	< 1500	< 1500			
Iron, ppm as Fe	0.16	<0.10			
	0 - 1	0 - 1			
Total Hardness, ppm	43	54			
	< 100	< 100			
Total Alkalinity, ppm	55	62			
	< 250	< 250			
Chlorides as Cl-, ppm	53	57			
	< 150	< 150			
Nitrite, ppm	960	970			
	800 - 1000	800 - 1000			

BUILDING	COMMENTS	ACTION
ADDAX - LZ	pH & Conductivity's are slightly high	Please arrange to drain the water
ADDAX - HZ	pH & Conductivity's are slightly high	Please arrange to drain the water

Reported By:

*Murugaraaj*  
 Murugaraaj

Service Engineer

