



**Microbiology Test Report**

**Customer Details**

Report No. WA-R-L-2101-31746

**Crystalline Cleaning & Environmental Services**

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



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31182

Sampling Date	: 05/01/2021	Report Date.	: 09/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 08/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Pool Water
Sample Certificate No	: 3231	Sampling Method	: APHA 9060 A&B
Temperature °C	: 30.5	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: FSP Building
Sampling Point	: Pool	Intended Use	: Not Applicable
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	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	1000CFU/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

Limit based on: Guide to the Executive Regulations of Law No.(2) for the year of 2012 (Swimming Pool),

Issued by the Head of Urban Planning and Municipalities No.(3) for the year 2018, Page No.3.

**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-2101-31761



Request No. : WA-Q-L-2101-04482

Sample No. : WA-S-L-2101-31197

Sampling Date	: 05/01/2021	Report Date.	: 16/01/2021
Analysis Start Date.	: 05/01/2021	Analysis End Date.	: 15/01/2021
Sample Location.	: Zayed University	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Pool Water
Sample Certificate No	: 3231	Sampling Method	: BS7592
Temperature °C	: 30.5	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: FSP Building
Sampling Point	: Pool	Intended Use	: Not Applicable
Preservation	: 10°C	Sample Description	: Water

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	<1CFU/L

Note : Not Detected=<1CFU/L

Procedure: WSOP-MB-0051 Direct Placing of Membrane on BCYE+L-Cysteine/Membrane Filter followed by Washing Procedure in Funnel.

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
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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# CRYSTALLINE ENVIRONMENTAL SERVICES

## CONSULTING TEST REPORT

Client Name: SERCO FACILITY MANAGEMENT

Site Name:

ZAYED UNIVERSITY

Visit Date:

05-01-2021

Source of Sample

Swimming Pool

Sample Point

FSP BUILDING SWIMMING POOL

### SWIMMING POOL ANALYSIS

No	Parameter	Control limits	Test Results
1	pH at 25°C	7.2 - 7.6	7.44
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	487
3	TDS, ppm	Max 1500	316
4	Alkalinity	80 - 120	82
5	Calcium Hardness	200 - 500	211
6	Residual Chlorine	1.0 - 3.0	1.27
7	Cyanuric Acid	20 - 60	36
8	Dip slide	$<10^3$	ND

\*\*\* All test results expressed in parts per million (ppm) as  $\text{CaCO}_3$  except pH and conductivity ( $\mu\text{mhos}$ ).

### COMMENTS AND RECOMMENDATIONS

All parameters are within control limits-No action recommended

Reported By,

Murugaraj  
Service Engineer

