



Microbiology Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-L-2004-7208



Request No.	: WA-Q-L-2004-1146	Sample No.	: WA-S-L-2004-7119
Sampling Date/time	: 14/4/2020 , 14:06	Report Date.	: 16/4/2020
Analysis Start Date.	: 14/4/2020	Analysis End Date.	: 16/4/2020
Sample Location.	: TAWAFUQ AL RAYYANA, KHALIFA CITY	Sampled By	: Jameel
Sample Identification	: N/A	Sample Submitted as	: WATER
Sample Certificate No	: 0384	Sampling Method	: APHA 9060 A & B
Temperature °C	: 30.1	Site Observation	: CLEAR
Sampling Container	: STERILE PLASTIC BOTTLE	Source of Sample	: MAIN SWIMMING POOL WATER
Sampling Point	: GROUND FLOOR COMMUNITY CENTER	Preservation	: 4-8°C
Sample Description	: POOL 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= \leq 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
JY	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-2004-7208

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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Legionella Test Report

Customer Details

Crystalline Environmental Services

Report No. WA-R-L-2004-7215



Request No.	: WA-Q-L-2004-1146	Sample No.	: WA-S-L-2004-7126
Sampling Date/time	: 14/4/2020 , 14:08	Report Date.	: 25/4/2020
Analysis Start Date.	: 14/4/2020	Analysis End Date.	: 24/4/2020
Sample Location.	: TAWAFUQ AL RAYYANA, KHALIFA CITY	Sampled By	: Jameel
Sample Identification	: N/A	Sample Submitted as	: WATER
Sample Certificate No	: 0384	Sampling Method	: BS 7592
Temperature °C	: 30.1	Site Observation	: CLEAR
Sampling Container	: STERILE PLASTIC BOTTLE	Source of Sample	: MAIN SWIMMING POOL WATER
Sampling Point	: GROUND FLOOR COMMUNITY CENTER	Preservation	: 10°C
Sample Description	: POOL 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 result of the sample is found to be satisfactory within the specified limits.

Analyst	Reviewed By	Method Variation
JY	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

Senior Microbiologist

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SWIMMING POOL - WATER ANALYSIS REPORT

Client Name: TAFAWUQ FACILITY MANAGEMENT, ABU DHABI			
Site Name:	AAL RAYYANA - KHALIFA CITY	Visit Date:	14-04-2020
Sampled By:	Crystalline Rep.	Last Visit:	07-03-2020
Source of Sample	Swimming Pool	Sample Point	Main Swimming Pool

TEST RESULT

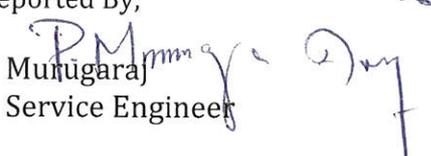
No	Parameter	Control limits	Test Results
1	pH at 25°C	7.2 - 7.6	7.56
2	Conductivity at 25°C, µs/cm	---	210
3	TDS, ppm	Max 1500	136
4	Alkalinity	80 - 120	94
5	Calcium Hardness	200 - 500	208
6	Residual Chlorine	1.0 - 3.0	1.21
7	Cyanuric Acid	20 - 60	25
8	Dip slide	<10 ³	ND

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

COMMENTS AND RECOMMENDATIONS

- All Parameters within control limit only -No action recommended.

Reported By,


Murugara
Service Engineer