

## TEST REPORT

Report No: QMTL/R-152098/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-152098
ATTN : MR. JASMAN PINTO		Date Received	09 Mar 2021
		Date(s) Tested	09 Mar 2021 - 11 Mar 2021
		Date Reported	18 Mar 2021
Sample Description	Main Swimming Pool		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Sas Al Nakheel	Sampling Date/Time	09.03.2021 / NP
Sample Container	1x500ml PB	Sampling Point	NP
Sample Receipt Temp	4°C	Sample Onsite Temp	NP
Sample Appearance	Clear	On-site Treatment	NP
Reference	NP		

## TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<b>MICROBIOLOGICAL PARAMETERS</b>				
Total Bacterial Count*	APHA 9215 B -23rd Edition	CFU/ml	1000	6
Total Coliforms*	APHA 9222 B -23rd Edition	CFU/100 ml	Zero	Zero
Fecal Coliforms*	APHA 9222 D -23rd Edition	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa*	APHA 9213 E -23rd Edition	CFU/100 ml	Zero	Zero
E.coli*	APHA 9222 I -23rd Edition	CFU/100 ml	-	Zero

The Analysis results denoted by (\*) are part of the laboratory ENAS Accreditation to ISO/IEC 17025 : 2017.

Remarks	The sample meets DM Public swimming pool safety guidelines(2019,Doc Ref.:DM-PH&SD-GU81-PSPS2) specifications for Pool Water with respect to the above tests only.
---------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------

Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, Doc Ref.: Document Reference
----------	--------------------------------------------------------------------------------------------------------------------------------------------

Test method deviation	None
-----------------------	------

Test performed by Emp#	103 & 14
------------------------	----------

Report prepared by Emp#	72
-------------------------	----

The above test results are only applicable to the sample(s) referred above.

Reported By

**ANILA GEORGE**

**LABORATORY MANAGER**

This report is system generated,signature,stamp/ seal are not required.

The test report shall not be reproduced(except in full) without the written approval of QMTL.When analysis is witnessed by us or carried out by sub contract labs, our responsibility is solely to ensure that the analysis is conducted to standard test methods in accordance with Industry accepted practice.

**END OF REPORT**

## TEST REPORT

Report No: QMTL/R-152099/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-152099
ATTN : MR. JASMAN PINTO		Date Received	09 Mar 2021
		Date(s) Tested	09 Mar 2021 - 11 Mar 2021
		Date Reported	18 Mar 2021
Sample Description	Kids Swimming Pool		
Sample Type	Water	Sampling Method	NP
Client Name/Project	NP	Sampled By	Client Representative
Location	Sas Al Nakheel	Sampling Date/Time	09.03.2021 / NP
Sample Container	1x500ml PB	Sampling Point	NP
Sample Receipt Temp	4°C	Sample Onsite Temp	NP
Sample Appearance	Clear	On-site Treatment	NP
Reference	NP		

## TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
<b>MICROBIOLOGICAL PARAMETERS</b>				
Total Bacterial Count*	APHA 9215 B -23rd Edition	CFU/ml	1000	2
Total Coliforms*	APHA 9222 B -23rd Edition	CFU/100 ml	Zero	Zero
Fecal Coliforms*	APHA 9222 D -23rd Edition	CFU/100 ml	Zero	Zero
Pseudomonas aeruginosa*	APHA 9213 E -23rd Edition	CFU/100 ml	Zero	Zero
E.coli*	APHA 9222 I -23rd Edition	CFU/100 ml	-	Zero

The Analysis results denoted by (\*) are part of the laboratory ENAS Accreditation to ISO/IEC 17025 : 2017.

Remarks	The sample meets DM Public swimming pool safety guidelines(2019,Doc Ref.:DM-PH&SD-GU81-PSPS2) specifications for Pool Water with respect to the above tests only.
---------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------

Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, Doc Ref.: Document Reference
----------	--------------------------------------------------------------------------------------------------------------------------------------------

Test method deviation	None
-----------------------	------

Test performed by Emp#	103 & 14
------------------------	----------

Report prepared by Emp#	72
-------------------------	----

The above test results are only applicable to the sample(s) referred above.

Reported By

**ANILA GEORGE**

**LABORATORY MANAGER**

This report is system generated,signature,stamp/ seal are not required.

The test report shall not be reproduced(except in full) without the written approval of QMTL.When analysis is witnessed by us or carried out by sub contract labs, our responsibility is solely to ensure that the analysis is conducted to standard test methods in accordance with Industry accepted practice.

**END OF REPORT**



# CRYSTALLINE ENVIRONMENTAL SERVICES

## CONSULTING TEST REPORT

<b>Client Name:</b> TAFAWUQ FACILITY MANAGEMENT, ABU DHABI			
<b>Site Name:</b>	SAS AL NAKHEEL VILLAGE		
<b>Sampled By:</b>	Crystalline Rep.	<b>Visit Date:</b>	09-03-2021
<b>Source of Sample</b>	Swimming Pool	<b>Sample Point</b>	Main Swimming Pool

TEST RESULT			
No	Parameter	Control limits	Test Results
1	pH at 25°C	7.2 - 7.6	7.36
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	512
3	TDS, ppm	Max 1500	336
4	Alkalinity	80 - 120	93
5	Calcium Hardness	200 - 500	226
6	Residual Chlorine	1.0 - 3.0	1.36
7	Cyanuric Acid	20 - 60	27
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
<ul style="list-style-type: none"><li>All Parameters are within control limit - No action recommended</li></ul>

Reported By,

  
Murugaraaj  
Service Engineer



**CLEANER WATER GREENER TOMORROW**



# CRYSTALLINE ENVIRONMENTAL SERVICES

## CONSULTING TEST REPORT

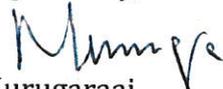
Client Name: TAFAWUQ FACILITY MANAGEMENT, ABU DHABI			
Site Name:	SAS AL NAKHEEL VILLAGE		
Sampled By:	Crystalline Rep.	Visit Date:	09-03-2021
Source of Sample	Swimming Pool	Sample Point	Kids Swimming Pool

TEST RESULT			
No	Parameter	Control limits	Test Results
1	pH at 25°C	7.2 - 7.6	7.41
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	487
3	TDS, ppm	Max 1500	316
4	Alkalinity	80 - 120	90
5	Calcium Hardness	200 - 500	216
6	Residual Chlorine	1.0 - 3.0	1.34
7	Cyanuric Acid	20 - 60	29
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
<ul style="list-style-type: none"><li>All Parameters are within control limit - No action recommended</li></ul>

Reported By,

  
Murugaraaj  
Service Engineer



**CLEANER WATER GREENER TOMORROW**