



Corporate Office: 2nd Floor, Presidency Zone -1,
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ULR No: -TC98282300000375F

Reporting Date: 09-12-2023

LABORATORY ANALYSIS REPORT

Report No	AQL/RN/2023/0821	Sample No	AQL/SN/2023/0607
Request No	AQL/TR/2023/0351	Date of Analysis	07-12-2023 to 09-12-2023
CUSTOMER INFORMATION	Name	Milagres Central School	
	Address & Location	Hampankatta, Mangaluru-575001	
	Contact Details	+91 9902863836	
	Project Name/Ref No	Quality Assurance	

SAMPLE INFORMATION

Sample Described by the Customer	Aquaguard water	Sampled By	AQL Rep
Sample Identification	Aquaguard water	Sampling Date	07-12-2023
Sample Container/Volume	Plastic Bottle/2L	Receiving Date	07-12-2023
Sample Appearance	Clear	Sample Condition	Satisfactory
Sampling Procedure	AQL-SOP-CHE-01	Sample Collection Temp.	30.5°C
Discipline /Group	Chemical-Water		

S.No	TEST PARAMETER	UNIT	METHOD	MDL	RESULTS	ACCEPTABLE LIMIT AS PER IS 10500:2012	PERMISSIBLE LIMIT AS PER IS 10500:2012
1	pH@ 25°C	-	APHA 4500 H+B	1-14	6.53	6.5-8.5	NO RELAXATION
2	ODOUR	-	IS 3025 (Part 5)	-	AGREEABLE	AGREEABLE	AGREEABLE
3	COLOR	HAZEN UNITS	APHA 2120 C	1.0	<1.0	5	15
4	TURBIDITY	NTU	APHA 2130 B	0.1	<0.1	1	5
5	TOTAL DISSOLVED SOLIDS@ 180°C (TDS)	mg/L	APHA 2540 C	5.0	186	500	2000
6	TOTAL ALKALINITY as CaCO ₃	mg/L	APHA 2320 B	3.0	45.2	200	600
7	CHLORIDE (Cl ⁻)	mg/L	APHA 4500 Cl - B	2.0	30.0	250	1000
8	MAGNESIUM (Mg)	mg/L	APHA 3500 Mg B	1.0	11.2	30	100
9	NITRATE (NO ₃ ⁻)	mg/L	APHA 4500 NO ₃ - B	0.2	0.21	45	NO RELAXATION
10	SULPHATE (SO ₄ ²⁻)	mg/L	APHA 4500 SO ₄ ²⁻ E	3.0	45.5	200	400
11	FLUORIDE (F ⁻)	mg/L	APHA 4500 F-D	0.1	0.32	1.0	1.5
12	CALCIUM (Ca)	mg/L	APHA 3500 Ca B	1.0	16.0	75	200
13	TOTAL HARDNESS as CaCO ₃	mg/L	APHA 2340 C	2.0	86.0	200	600
14	TOTAL IRON (Fe)	mg/L	APHA 3500 Fe B	0.09	<0.09	0.3	NO RELAXATION

Remarks: The water sample complies to the requirement of IS: 10500:2012 with respect to the above reported parameters.

APHA-American Public Health Association, IS-Indian Standard, AQL- Aquamater Laboratory, MDL- Method Detection Limit, NA-Not Applicable



Renita Dsouza
Authorized Signatory
Renita Dsouza
Technical Manager

Disclaimer: Test results relate only to the samples tested. This report shall not be reproduced except in full, without written approval of Lab.

Format No: AQL/RP/CHE/01
Revision No & Date: 03; 22/07/2023



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ULR No: -TC982823000000376F

Reporting Date: 09-12-2023

LABORATORY ANALYSIS REPORT

Report No	AQL/RN/2023/0822	Sample No	AQL/SN/2023/0607
Request No	AQL/TR/2023/0351	Date of Analysis	07-12-2023 to 09-12-2023
CUSTOMER INFORMATION	Name	Milagres Central School	
	Address & Location	Hampankatta, Mangaluru-575001	
	Contact Details	+91 9902863836	
	Project Name/Ref No	Quality Assurance	

SAMPLE INFORMATION

Sample Described by the Customer	Aquaguard water	Sampled By	AQL Rep
Sample Identification	Aquaguard water	Sampling Date	07-12-2023
Sample Container/Volume	Sterilized Bottle /500ml	Receiving Date	07-12-2023
Sample Appearance	Clear	Sample Condition	Satisfactory
Sampling Procedure	AQL-SOP-MB-01	Sample Collection Temp.	30.5°C
Discipline /Group	Microbiology-Water		

S.No	TEST PARAMETER	UNIT	METHOD	MDL	RESULTS	GUIDELINES AS PER IS 10500:2012
1	TOTAL COLIFORM (MPN)	MPN/100 ml	APHA 9221 B & C	1.8	<1.8	NOT DETECTABLE /100ml
2	E-COLI (MPN)	MPN/100 ml	APHA 9221 B,C & F	1.8	<1.8	NOT DETECTABLE /100ml

Remarks: The water sample complies to the requirement of IS: 10500:2012 with respect to the above reported parameters.

APHA-American Public Health Association, IS-Indian Standard, AQL- Aquamater Laboratory, MDL-Method Detection Limit, NA-Not Applicable
CFU - Colony Forming Unit, MPN- Most Probable Number, <1.8 & <1 -Not Detectable, <-Less than ,> -Greater than.



- END OF REPORT -

Ranjitha
09/12/2023
Authorized Signatory
Ranjitha M R
Department Head -Microbiology

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Format No: AQL/RP/MB/01
Revision No & Date: 02; 22/07/2023

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