

CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date	CTL/CH/W-01050/2026-27 & 04.06.2026
Sample Number	W-01050/26-27
ULR No	TC1431426000006485F
Name of the Customer	M/s.D.A.V Public School
Address	No.19,Sitaram Nagar,Velachery,Chennai-600042.
Sample Drawn by	Laboratory
Sample Name	Drinking Water
Sample Description	RO Water
Sampling Location	RO Plant-M/s.D.A.V Public School Velachery
Sample Drawn on	27.05.2026
Sample Collected by	Mr.R.Prabakar
Sampling Plan & Procedure	CTL/QSP/09
Sample Quantity	2 Litres
Sample Condition	Good & Received in Plastic Container
Environmental Conditions	Temperature- 32°C and Humidity- 52%
Equipment used for Sampling	NA
Sample Received on	27.05.2026
Analysis Started on	27.05.2026
Analysis Completed on	02.06.2026

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL & BIOLOGICAL

GROUP : WATER

Physical Appearance: Clear Liquid

S. NO	PARAMETERS	METHOD	UNITS	RESULTS	Limits As per IS 10500:2012 (Reaffirmed 2023)*	
					Acceptable Limit	Permissible Limit in the Absence of Alternate source
1	Colour	IS 3025 (Part 4)	HU	2	Max.5.0	Max.15.0
2	Odour	IS 3025 (Part 5)	-	Agreeable	Agreeable	Agreeable
3	Turbidity	IS 3025 (Part 10)	NTU	BLQ(LOQ:0.5)	Max.1.0	Max.5.0
4	pH @ 25°C	IS 3025 (Part 11)	-	7.7	6.5 - 8.5	No relaxation
5	Total Dissolved Solids	IS 3025 (Part 16)	mg/l	34	Max.500	Max.2000
6	Total Hardness as CaCO ₃	IS 3025 (Part 21)	mg/l	12	Max.200	Max.600
7	Calcium as Ca	IS 3025 (Part 40)	mg/l	3	Max.75	Max.200
8	Magnesium as Mg	IS 3025 (Part 46)	mg/l	1	Max.30	Max.100
9	p-Alkalinity as CaCO ₃	IS 3025 (Part 23)	mg/l	BLQ(LOQ:2.0)	-	-
10	Total Alkalinity as CaCO ₃	IS 3025 (Part 23)	mg/l	13	Max.200	Max.600
11	Chloride as Cl ⁻	IS 3025 (Part 32)	mg/l	10	Max.250	Max.1000
12	Sulphate as SO ₄	IS 3025 (Part 24/sec -1)	mg/l	1.0	Max.200	Max.400
13	Iron as Fe	IS 3025 (Part 53)	mg/l	BLQ(LOQ:0.01)	Max.0.3	No relaxation
14	Silica as SiO ₂	IS 3025 (Part 35)	mg/l	1.22	-	-
15	Carbonate Hardness	IS 3025 (Part 21)	mg/l	12	-	-
16	Non Carbonate Hardness	IS 3025 (Part 21)	mg/l	BLQ(LOQ:2.0)	-	-

A. Raj Kumar

Verified by



For Chennai Testing Laboratory Pvt Ltd

A. Raj Kumar

Authorised Signatory
A. RAJ KUMAR
SENIOR MANAGER
(CHEMICAL)

Page 1 of 2

The Report shall not be used to malign, defame and for any malicious purpose.
The Report is meant only for sole use of the addressee

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India

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TEST REPORT

Test Report No & Date	CTL/CH/W-01050/2026-27 & 04.06.2026
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S. NO	PARAMETERS	METHOD	UNITS	RESULTS	Limits As per IS 10500:2012 (Reaffirmed 2023)*	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate source
Microbiology:						
17	Total Coliform	IS 15185	Per 100ml	Absent	Shall not be detectable in any 100ml of sample	
18	<i>E.coli</i>		Per 100ml	Absent		

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification; Max. - Maximum

*As per Drinking Water Specification IS 10500:2012 (Reaffirmed - 2023)

Remarks: The sample complies the acceptable limits IS 10500: 2012 Drinking water specification with respect to the parameters tested
Statement of conformity is applied considering Decision rule as per CTL/QSP/16

*****END OF REPORT*****

T. Navarathnam

Verified by

For Chennai Testing Laboratory Pvt Ltd

R. Jayavarthanan

Authorised Signatory

R. JAYAVARTHANAN
Manager
(MICROBIOLOGY)

Page 2 of 2

CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date	CTL/CH/W-01049/2026-27 & 04.06.2026
Sample Number	W-01049/26-27
ULR No	TC1431426000006488F
Name of the Customer	M/s.D.A.V Public School Vatika-2
Address	Plot No:130 & 135,Bhuvaneswari Nagar,2nd Main Road,Velachery,Chennai-600042.
Sample Drawn by	Laboratory
Sample Name	Drinking Water
Sample Description	RO Water
Sampling Location	RO Plant-M/s.D.A.V Public School Vatika-2,Velachery
Sample Drawn on	27.05.2026
Sample Collected by	Mr.R.Prabakar
Sampling Plan & Procedure	CTL/QSP/09
Sample Quantity	2 Litres
Sample Condition	Good & Received in Plastic Container
Environmental Conditions	Temperature- 31°C and Humidity- 54%
Equipment used for Sampling	NA
Sample Received on	27.05.2026
Analysis Started on	27.05.2026
Analysis Completed on	02.06.2026

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL & BIOLOGICAL

GROUP : WATER

Physical Appearance: Clear Liquid

S. NO	PARAMETERS	METHOD	UNITS	RESULTS	Limits As per IS 10500:2012 (Reaffirmed 2023)*	
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1	Colour	IS 3025 (Part 4)	HU	2	Max.5.0	Max.15.0
2	Odour	IS 3025 (Part 5)	-	Agreeable	Agreeable	Agreeable
3	Turbidity	IS 3025 (Part 10)	NTU	BLQ(LOQ:0.5)	Max.1.0	Max.5.0
4	pH @ 25°C	IS 3025 (Part 11)	-	8.0	6.5 - 8.5	No relaxation
5	Total Dissolved Solids	IS 3025 (Part 16)	mg/l	44	Max.500	Max.2000
6	Total Hardness as CaCO ₃	IS 3025 (Part 21)	mg/l	14	Max.200	Max.600
7	Calcium as Ca	IS 3025 (Part 40)	mg/l	4	Max.75	Max.200
8	Magnesium as Mg	IS 3025 (Part 46)	mg/l	1	Max.30	Max.100
9	p-Alkalinity as CaCO ₃	IS 3025 (Part 23)	mg/l	BLQ(LOQ:2.0)	-	-
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11	Chloride as Cl ⁻	IS 3025 (Part 32)	mg/l	13	Max.250	Max.1000
12	Sulphate as SO ₄	IS 3025 (Part 24/sec -1)	mg/l	2.0	Max.200	Max.400
13	Iron as Fe	IS 3025 (Part 53)	mg/l	BLQ(LOQ:0.01)	Max.0.3	No relaxation
14	Silica as SiO ₂	IS 3025 (Part 35)	mg/l	1.92	-	-
15	Carbonate Hardness	IS 3025 (Part 21)	mg/l	14	-	-
16	Non Carbonate Hardness	IS 3025 (Part 21)	mg/l	BLQ(LOQ:2.0)	-	-

[Signature]

Verified by



For Chennai Testing Laboratory Pvt Ltd

[Signature]

Authorised Signatory
A. RAJ KUMAR
SENIOR MANAGER
(CHEMICAL)

Page 1 of 2

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TEST REPORT

Test Report No & Date	CTL/CH/W-01049/2026-27 & 04.06.2026
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S. NO	PARAMETERS	METHOD	UNITS	RESULTS	Limits As per IS 10500:2012 (Reaffirmed 2023)*	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate source
Microbiology:						
17	Total Coliform	IS 15185	Per 100ml	Absent	Shall not be detectable in any 100ml of sample	
18	<i>E.coli</i>		Per 100ml	Absent		

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*As per Drinking Water Specification IS 10500:2012 (Reaffirmed - 2023)

Remarks: The sample complies the acceptable limits IS 10500: 2012 Drinking water specification with respect to the parameters tested
Statement of conformity is applied considering Decision rule as per CTL/QSP/16

*****END OF REPORT*****

T. Navarathnam

Verified by

For Chennai Testing Laboratory Pvt Ltd

R. Jayavarthanan

Authorised Signatory

R. JAYAVARTHANAN
Manager
(MICROBIOLOGY)

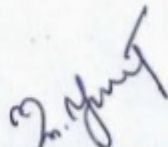
Page 2 of 2

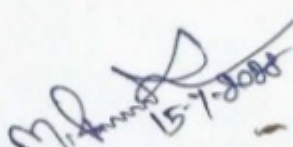
GREATER CHENNAI CORPORATION
PUBLIC HEALTH DEPARTMENT
ZONE-XIII

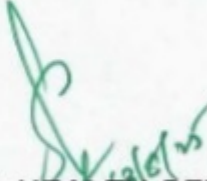


SANITARY CERTIFICATE

I hereby declare that the building and premises of **D.A.V PUBLIC SCHOOL, No.19, Sitaram Nagar, Velachery, Chennai 600 042** been inspected on **05.07.2025** and certify that the accommodation provided for each of the several rooms, is sufficient for the maximum number of pupils taught there in and that the building is properly ventilated and lighted, that is maintained in substantial repair, that it is neat and clean, that the latrine arrangement are adequate and satisfactory that the supply of drinking water is wholesome and that in all other aspects the sanitation is good and proper hygiene is maintained. The Sanitary condition is satisfactory for the year **2025- 2026**


SANITARY INSPECTOR
DIVISION-177


SANITARY OFFICER
UNIT- 39


ZONAL HEALTH OFFICER
ZONAL HEALTH OFFICER
ZONE 13
GREATER CHENNAI CORPORATION

GREATER CHENNAI CORPORATION
PUBLIC HEALTH DEPARTMENT
ZONE-XIII



SANITARY CERTIFICATE

I hereby declare that the building and premises of D.A.V PUBLIC SCHOOL, No.131&132, 2nd Main Road, Bhuvanewari Nagar, Velachery, Chennai - 600 042 been inspected on 05.07.2025 and certify that the accommodation provided for each of the several rooms, is sufficient for the maximum number of pupils taught there in and that the building is properly ventilated and lighted, that is maintained in substantial repair, that it is neat and clean, that the latrine arrangement are adequate and satisfactory that the supply of drinking water is wholesome and that in all other aspects the sanitation is good and proper hygiene is maintained. The Sanitary condition is satisfactory for the year 2025- 2026

M. J. Jeyaraj
SANITARY INSPECTOR
DIVISION-177

M. Ramesh
SANITARY OFFICER
UNIT- 39

S. S. Srinivasan
ZONAL HEALTH OFFICER
ZONE-13
ZONAL HEALTH OFFICER
ZONE 13
GREATER CHENNAI CORPORATION

GREATER CHENNAI CORPORATION
PUBLIC HEALTH DEPARTMENT
ZONE-XIII



SANITARY CERTIFICATE

I hereby declare that the building and premises of D.A.V PUBLIC SCHOOL, No.130&135, 2nd Main Road, Bhuvanewari Nagar, Velachery, Chennai - 600 042 been inspected on 05.07.2025 and certify that the accommodation provided for each of the several rooms, is sufficient for the maximum number of pupils taught there in and that the building is properly ventilated and lighted, that is maintained in substantial repair, that it is neat and clean, that the latrine arrangement are adequate and satisfactory that the supply of drinking water is wholesome and that in all other aspects the sanitation is good and proper hygiene is maintained. The Sanitary condition is satisfactory for the year 2025- 2026

SANITARY INSPECTOR
DIVISION-177

SANITARY OFFICER
UNIT- 39

ZONAL HEALTH OFFICER
ZONE 13
ZONAL HEALTH OFFICER
ZONE 13
GREATER CHENNAI CORPORATION

Duplicate Copy

Telephone: 044-29997572.



DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

From:

Tmt.L.Sujatha, M.Sc.,M.A.,B.Ed.,
CHIEF WATER ANALYST,
Chief Water Analysis Laboratory,
King Institute Campus,
Guindy, Chennai – 600 032

To:

The Teacher In-charge,
D.A.V. Public School,
No.19, Sitaram Nagar,
Velachery,
Chennai - 600 042.

R.No.1217/C/2024 Misc-218 & 219 Dated: 04.06.2024.

Madam,

Sub : Report on examination of Water samples - Regarding.
Ref : Your Lr. DAVPS/C/12/2024-25 Dated 07.05.2024.

Two samples of water stated to have been collected on 20.05.2024 by Tmt. Sujatha from the following sources/Points located within the premises of D.A.V. Public School, No.19, Sitaram Nagar, Velachery, Chennai-42 were received at this laboratory on the same day from the addressee to assess their suitability for drinking purposes.

1. Water from the Sump (Source : Bore well) (MISC 218)
2. Water from RO plant outlet (Source : Bore well) at Third Floor Terrace (MISC 219)

The Results of analysis are furnished over leaf.

1. Water from the Sump (Source : Bore well) (MISC 218)

The sample of water is colourless and clear in physical appearance.

Chemical analysis reveals that it is very hard and considered to be acceptable chemical quality for drinking purposes.

However, it is of poor bacteriological quality for drinking purposes as evidenced by the presence of E-Coli Organisms of faecal origin.

Microscopical Examination also reveals the presence of certain Algal and Zoo forms.

Hence the source of water needs disinfection before consumption.

RESULTS OF EXAMINATION OF SAMPLES OF WATER

From : The Teacher In-charge, D.A.V. Public School, No.19, Sitaram Nagar,
Velachery, Chennai – 600 042.

Collected by : Tmt.Sujatha.

M – 218

M – 219

Date of Collection : 20.05.2024		Water from the Sump (Source : Bore well)	Water from RO plant outlet (Source : Bore well) at Third Floor Terrace	Maximum permissible limit for drinking water as per BIS 10500/2012
Date of Receipt : 20.05.2024				
Source as per label:				
Bacteriological Examination	Total colonies per ml on agar at 37°C	200	60	10
	MPN of Coliform bacteria per 100 ml.	460	460	0
	Nature of Coliform bacteria isolated		Klebsiella Aerogenes II	absent
	Rapid Test for Ecoli	E Coli - I		
Physical Examination	Colour	Colourless	Colourless	Colourless
	Turbidity (Units)	5	3	5
	Smell	None	None	None
Chemical Examination (in mg/l).	Total dissolved Solids	1600	60	2000
	Carbonate hardness as CaCO ₃	440	10	-
	Non- Carbonate hardness as CaCO ₃	140	0	-
	Total hardness as CaCO ₃	580	10	600
	Chloride as Chlorine	310	10	1000
	Ammoniacal nitrogen	-	-	Nil
	Albuminoid nitrogen	-	-	Nil
	Oxygen absorbed (Tidy's test)	0.96	0.48	-
	Nitrate-nitrogen	2.0	1.0	10.2
	Alkalinity } as CaCO ₃ } Phenolphthalein Methyl Orange	0	0	-
		440	18	600
	Fluoride as Fluorine	0.4	0.2	1.5
	PH.	7.3	7.4	6.5-8.5
	Iron as Fe Total	0.15	Nil	1.0
	Ferrous	Nil	Nil	--
	Manganese as Mn.	Nil	Nil	0.3
	Qualitative-			
	Nitrite nitrogen	Trace	Trace	Trace
	Sulphate	Present	Trace	400
	Phosphate	Trace	Trace	Trace
Toxic substances				
Electrical conductivity (Reciprocal megohms per Cm ³ at 25°C)	2290	80	-	
Microscopical Examination	Spirogyra, Monas & Amorphous Matter	Amorphous Matter		

Method of Disinfection :

The disinfection is usually carried out by chlorinating the water collected from the source at the storage units (OHT/ Sump) by using 4 gms of BIS grade bleaching powder containing 32 to 34 % of chlorine content or 20 ml of 4 to 6 % sodium hypochlorite solution for every 1000 litres of water with half an hour contact time before distribution.

The Sump should be cleaned with strong bleaching powder solution to ensure hygienic safety of drinking water storage unit.

2. Water from RO plant outlet (Source : Bore well) at Third Floor Terrace, (MISC 219)

The above sample of RO water is colourless and clear in physical appearance.

Chemical analysis reveals that it is very soft and less mineralized. Even though it is of usable chemical quality for drinking, the total hardness is too low with only 10 mg/l. The calcium and magnesium elements are almost removed from this water, which are very essential for healthy living of human beings. Consumption of such RO water having low content of hardness would be deleterious to the health of human beings including growing children.

It is of poor Bacteriological quality for drinking purposes as evidenced by the presence of coliform group of organisms.

Hence, it is advised that the firm that installed the R.O. unit should be contacted with this analytical report and set right the RO unit in such a way that the outlet water should contain atleast a minimum content of total hardness of 30 mg/l so as to have some amount of calcium and magnesium and set right the defects in the R.O unit to get bacteria free water to ensure hygienic safety at all time.

Copy to: Lab & File

S. Y. Srinivasan
19.12.2024
for CHIEF WATER ANALYST,
Chief Water Analysis Laboratory,
Guindy, Chennai - 32.

S. Y. Srinivasan
19/12/24