

GOVERNMENT OF PUDUCHERRY
WATER TESTING LABORATORY
PWD, KARAİKAL

File. No: 8/WTL/PWD/KKL/2024-25

Dt. 22.08.2024

To

The Principal,
Achariya Siksha Mandir High School,
No.14, Main road near Indian Oil Petrol Bunk,
Keezhakasakudy, Karaikal.

Sir,

Sub: Testing of water sample - Report forwarding of – Reg.

Ref : Vide Cash Receipt Number:388766 Dt.21.08.2024 for Rs.640/-(490+150)

The sample of water sent vide letter reference cited has been analyzed with the results as under.

RESULTS OF PHYSICAL AND CHEMICAL ANALYSIS OF WATER


Laboratory sample reference	:	P-50
Source and place of water sample	:	RO Water, Achariya Siksha Mandir High School, Keezhakasakudy, Karaikal. (supplied by the individual)
Date of collection	:	21.08.2024
Organoleptic properties	:	Clear water
Turbidity (NTU)	:	Nil
Conductivity (Micro mhos / cm)	:	167
pH	:	7.12

(Results expressed as Mgs/Lts)


Total solids	:	109
Dissolved solids	:	109
Total Hardness as CaCO ₃	:	36
Alkalinity due to phenolphthalein as CaCO ₃	:	Absent
Total Alkalinity as CaCO ₃	:	32
Chloride as Cl	:	17
Sulphate as SO ₄	:	4.8
Iron as Fe	:	0.11
Calcium as Ca	:	6.4
Magnesium as Mg	:	4.8
Nitrate as NO ₃	:	2.3
Fluoride as F	:	Negligible
Residual Chlorine in ppm	:	Nil
Remarks	:	SATISFACTORY

<i>Drinking Water Standards (IS 10500 Revised)</i>	
<i>Desirable</i>	<i>Max. Pers. Limits</i>
<i>Un objectionable</i>	
<i>5.0</i>	<i>10</i>
-	-
<i>6.5 to 8.5</i>	<i>6.5 to 8.5</i>

<i>500</i>	<i>2000</i>
<i>500</i>	<i>2000</i>
<i>300</i>	<i>600</i>
-	-
<i>200</i>	<i>600</i>
<i>250</i>	<i>1000</i>
<i>200</i>	<i>400</i>
<i>0.3</i>	<i>1.0</i>
<i>75</i>	<i>200</i>
<i>30</i>	<i>150</i>
<i>45</i>	<i>45</i>
<i>1.0</i>	<i>1.5</i>


WATER ANALYST

Counter Signed


ASSISTANT ENGINEER
PUBLIC HEALTH SUB DIVISION
PWD, KARAİKAL.


BIOCHEMIST

Copy submitted to:- The Executive Engineer, I & PH, PWD, Karaikal for favour of kind information please.