



**PUBLIC HEALTH ENGINEERING DEPARTMENT  
WATER TESTING LABORATORY  
CHARKHI DADRI (HR)**



**Test Report**

Test Report No. : 1357 Issue Date : 09.12.2022  
 Issued To : PRINCIPAL, J D K D E S PUBLIC SCHOOL CH. DADRI  
 Customer Reference No. : Spl 03-12/2022 Dated : 05.12.2022  
 Sample Description : SUPPLY WATER COD/01996/12/2022  
 Sample Type : Water  
 Sample Collected on dated : 05.12.2022  
 Sample submitted by : RAMESH SHARMA  
 Sample received on dated : 05.12.2022  
 Sample Location : CHARKHI DADRI  
 Sample Quantity : 1 Litre( PVC BOTTLE )  
 Date of Analysis started : 05.12.2022  
 Date of Analysis completed : 05.12.2022

**RESULTS**

S. No.	Parameter	Protocol Used	Results	IS:10500:2012 (RA-2018)		Unit
				Desirable Limit	Max. Permissible Limit (In absence of better alternate source)	
1	Total Hardness(as CaCO <sub>3</sub> )	APHA 23rd edition 2340 C	110	200	500	mg/L
2	Calcium (as Ca)	APHA 23rd edition 3500-Ca B	8.016	75	200	mg/L
3	Magnesium (as Mg)	APHA 23rd edition 3500 Mg B	21.87	30	100	mg/L
4	Chloride (as Cl)	APHA 23rd edition 4500 Cl B	94.9705	250	1000	mg/L
5	Total alkalinity (as CaCO <sub>3</sub> )	APHA 23rd edition 2320 B	40	200	600	mg/L
6	pH @ 25 °C	APHA 23rd edition 4500-H B	7.1	6.5 to 8.5	No relaxation	pH
7	Nitrate	APHA 23rd edition 4500 NO <sub>3</sub> D	2.79	45	45	mg/L
8	Fluoride	APHA 23rd edition 4500 F C	0.01	1	1.5	mg/L

**Opinion:** The Parameter tested at Sr. No 1-8 in the test report meets the requirement of IS 10500:2012 (RA-2018). The above water sample of sample description SUPPLY WATER COD/01996/12/2022 is chemically Unfit/ **Fit** on the above parameters.

**Notes:**

- 1 The results given above are related to the sample as received and tested in PHED Lab, Ch. Dadri. Reliability of sample lies with the sender.
- 2 The test report can't be regenerated/re-produced in whole or in part without permission of Laboratory.
- 3 The test report can't be used for any publicity or any legal purpose.
- 4 The test sample meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless specifically requested by the customer for retaining over a long period.

Sample Analyzed By: PARGATI

Authorized Signatory/ Incharge/ QM

End Of Test Report



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**RESULTS**

S. No.	Parameter	Results	IS:10500:2012 (RA-2018)		Unit
			Desirable Limit	Max. Permissible Limit (In absence of better alternate source)	
1	Total Dissolved Solid	156.14	500	2000	mg/L
2	Iron	0.02	1	1	mg/L
3	Sulphate	1.2	200	400	mg/L
4	Free Residual Chlorine	0	0.2	2	mg/L
5	Turbidity	0.23	1	5	NTU
6	Colour	0	5	15	Hazen
7	Taste	AGREEABLE	Agreeable	Agreeable	-
8	Odour	AGREEABLE	Agreeable	Agreeable	-

**Opinion:** The Parameter tested at Sr. No 1-8 in the test report meets the requirement of IS 10500:2012 (RA-2018). The above water sample of sample description SUPPLY WATER CDD/01996/12/2022 is chemically Unfit/ **Fit** on the above parameters.

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