



OFFICE OF THE CHEMIST

PUBLIC HEALTH ENGINEERING DEPARTMENT DRINKING WATER TESTING LABORATORY, PALWAL

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TEST REPORT

Issued to : → Sita Ram International School	Location : → Baghola, Palwal
Test Report No. : → PWL/936/6/2023	Collected by : → Dinesh Kumar
Reference No. : → dt.: 20/06/2023	Sample collected Date & Time : → 20/06/2023 at 10:30
Sample Type : → R.O.	Sample received Date & Time : → 20/06/2023 at 1:30
Test Type : → Chemical Test	Date of Analysis Started : → 20/06/2023
Classification of Sample : → Departmental	Date of Analysis Completed : → 20/06/2023
Sample Description : → Water Sample received in food grade plastic bottle at room temperature	Sample Quantity : → 1000 ml
Lab Job Order No. : → V-181	Addition/Deviation/Exclusions from the method : → NA

Test Result

Sr. No.	Tested Parameter	Results	Unit	Method	As per IS 10500:2012 RA 2018	
					Acceptable	Permissible Limit
1	Turbidity	<1	NTU	APHA 23rd Edition-2130-B, 2017	1 NTU	5 NTU
2	Taste	Agreeable		IS3025 (Part-8)1984: RA 2022	Agreeable	Agreeable
3	Odour	Agreeable		IS3025 (Part-5) 1983:2018	Agreeable	Agreeable
4	Colour	<5	CU	APHA 23rd Edition-2120 - Colour Method B 2017	5 CU	15 CU
5	Total Dissolve Solids (180°C ± 2°C)	77	mg/l	APHA 23rd Edition-2540C, 2017	500 mg/l	2000 mg/l
6	Total Hardness as CaCO ₃	30	mg/l	APHA 23rd Edition-2340C, 2017	200 mg/l	600 mg/l
7	Calcium as (Ca)	4.80	mg/l	APHA 23rd Edition-3500-Ca B, 2017	75 mg/l	200 mg/l
8	Magnesium (Mg)	4.37	mg/l	APHA 23rd Edition-3500Mg B, 2017	30 mg/l	100 mg/l
9	Total Alkalinity	24	mg/l	APHA 23rd Edition-2320 B, 2017	200 mg/l	600 mg/l
10	Chlorides as Cl	33.98	mg/l	APHA 23rd Edition-4500 Cl- B, 2017	250 mg/l	1000 mg/l
11	Sulphate as (SO ₄)	10	mg/l	APHA 23rd Edition-4500-So ₄ ²⁻ E, 2017	200 mg/l	400 mg/l
12	Fluoride as (F)	0.23	mg/l	APHA 23rd Edition-4500-F- D, 2017	1.0 mg/l	1.5 mg/l
13	Iron as (Fe)	0.03	mg/l	APHA 23rd Edition-3500-Fe B, 2017	1.0 mg/l	No Relaxation
14	Nitrate as (NO ₃)	2.3	mg/l	APHA 23rd Edition-4500-No ₃ - D, 2017	45 mg/l	No Relaxation
15	pH (@25°C)	6.53	---	APHA 23rd Edition-4500-H ⁺ B, 2017	6.5-8.5	No Relaxation

Remarks:-

Specific contractual notes:-

- ♦ The results given above are related to the sample as received and tested in PHED Lab PALWAL.
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- ♦ Reliability of water sample lies with sender/collector of water sample.

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PALWAL

END OF REPORT