



# OFFICE OF THE CHEMIST

PUBLIC HEALTH ENGINEERING DEPARTMENT DRINKING WATER TESTING LABORATORY, PALWAL  
9MLD STP, JODHPUR ROAD, PALWAL, HARYANA - 121102



PHED  
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TC-4091

## TEST REPORT

<b>Customer Name &amp; Contact Information :</b> → Shivalik Educational Academy <b>Test Report No.</b> : → PWL/000113/4/2025 <b>Reference No.</b> : → SEA/07/25 /dt. 09/04/2025 <b>Sample Type</b> : → R.O.Water <b>Test Type</b> : → Physical & Chemical Test <b>Classification of Sample</b> : → Private <b>Sample Description</b> : → Drinking Water <b>Lab Job Order No.:</b> → V-4	<b>Location:</b> → ASAOTI, PALWL <b>Sample collected by:</b> → PANKAJ <b>Sample Quantity</b> : → 1000 ml <b>Sample collected Date &amp; Time</b> : → 09/04/2025 at 11:00 <b>Sample received Date &amp; Time:</b> → 09/04/2025 at 11:30 <b>Date of Analysis Started</b> : → 09/04/2025 <b>Date of Analysis Completed</b> : → 09/04/2025 <b>Issue Date of Report:-</b> 11/04/2025 <b>Addition/Deviation/ Exclusions from the method :-</b> NA <b>Environmental Condition:-</b> Temp. (°C) : 25° ± 5° RH (%) : 60 ± 15%
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### Test Result

Sr. No.	Tested Parameter	Results	Unit	Method	As per IS 10500:2012 RA 2018	
					Acceptable	Permissible Limit
1.	Turbidity	<1	NTU	APHA 24th Edition-2130-B	1 NTU	5 NTU
2.	Taste	Agreeable	---	IS 3025 (Part-8)1984:RA 2023	Agreeable	Agreeable
3.	Odour	Agreeable	---	IS 3025 (Part-5) 1983:2018	Agreeable	Agreeable
4.	Colour	<5	CU	APHA 24th Edition-2120 - B	5 CU	15 CU
5.	Total Dissolve Solids (180°C ± 2°C)	1070	mg/l	APHA 24th Edition-2540 C	500 mg/l	2000 mg/l
6.	Total Hardness as CaCO <sub>3</sub>	280	mg/l	APHA 24th Edition-2340 C	200 mg/l	600 mg/l
7.	Calcium as (Ca)	54.50	mg/l	APHA 24th Edition-3500-Ca B	75 mg/l	200 mg/l
8.	Magnesium (Mg)	34.99	mg/l	APHA 24th Edition-3500Mg B	30 mg/l	100 mg/l
9.	Total Alkalinity	200	mg/l	APHA 24th Edition-2320 B	200 mg/l	600 mg/l
10.	Chlorides as Cl	237.92	mg/l	APHA 24th Edition-4500 Cl- B	250 mg/l	1000 mg/l
11.	Sulphate as (SO <sub>4</sub> )	90	mg/l	APHA 24th Edition-4500-So <sub>4</sub> <sup>2-</sup> E	200 mg/l	400 mg/l
12.	Fluoride as (F)	1.05	mg/l	APHA 24th Edition-4500-F <sup>-</sup> D	1.0 mg/l	1.5 mg/l
13.	Iron as (Fe)	0.12	mg/l	APHA 24th Edition-3500-Fe B	1.0 mg/l	No Relaxation
14.	Nitrate as (NO <sub>3</sub> )	6.4	mg/l	APHA 24th Edition-4500-No <sub>3</sub> - D	45 mg/l	No Relaxation
15.	pH (@25°C)	7.25	---	APHA 24th Edition-4500-H- B	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.
- ◆ The test report can't be regenerated/ re-produced in whole or part thereof without written permission of PHED Lab PALWAL.
- ◆ The test report can't be used for any publicity or any legal purpose.
- ◆ Reliability of water sample lies with sender/collector of water sample.
- ◆ The samples will be destroyed after retention time of 15 days unless specifies otherwise.

Reviewed By - Lab Assistant

CHEMIST (REENA)  
PUBLIC HEALTH ENGINEERING DEPARTMENT  
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END OF REPORT

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