

DISTRICT WATER TESTING LABORATORY

DL/PHED/BLD/F/01

PUBLIC HEALTH ENGINEERING DEPARTMENT DIVISION BALOD (C.G.)
NEAR DALLIRAJHARA ROAD ,NH-930 (PHE.SUB.DN.CAMPUS BALOD) (C.G.)

Mail :- balodlab34@gmail.com,

ISO/IEC 17025 - 2017 (NABL Accredited Laboratory)



TC-9672

Test Report (Drinking Water)

Report no :- DL/PHED/BLD/108	Discipline :- Chemical Testing	Group :- Drinking Water	ULR NO. TC-967225000000108F
Customer Name /Address :- प्राचार्य अरिहंत एकेडमी बालोद जिला बालोद (छ.ग.)	Sender's Letter No./ Date	28.07.2025	Sampling Done by
	Sample Collection Date	28.07.2025	Sample Type
	DL Receipt No.	108	Physical Condition of Sample
	DL Sample Receipt Date	28.07.2025	Date of Analysis Started
	Sample Quantity	1000 ML	Date of Completion of Analysis
			Environmental Condition

sn.	Sample Id	Dist. & Block	City & Village	Location/Source ID/GPS.Identification
1	108/216/JUL/2025	Balod/Balod	Balod	Arihant Academy balod
2				
3				
4				
5				

Details of parameters their test method unit's and specification as per IS/APHA											
sn.	Parameters	Test method IS:3025/APHA 24 th ed		Unit	As per IS-10500-2012 Drinking water		Result of S.No.				
		Method	Part no.		Acceptable limit	Permissible limit					
1	2	3	4	5	6	7	8	9	10	11	12
1	Color	IS:3025	Part- 04/2021	C.U.	5	15	3	-	-	-	-
2	Odour	IS:3025	Part- 05/2018	-	Agreeable	Agreeable	Agreeable	-	-	-	-
3	Taste	IS:3025	Part- 8 /2023	-	Agreeable	Agreeable	-	-	-	-	-
4	pH	IS:3025	Part- 11/2022	-	6.5-8.5	No relaxation	6.92	-	-	-	-
5	Total Dissolve Solids (TDS)	APHA -24 EDITION	2540-C	mg/l	500	2000	260	-	-	-	-
6	Turbidity	IS:3025	Part-10/2023	NTU	1	5	5.0	-	-	-	-
7	Alkalinity as CaCO ₃	IS:3025	Part-23/2023	mg/l	200	600	151.36	-	-	-	-
8	Chloride as Cl ⁻	IS:3025	(Part- 32) Re.2019 : 1988	mg/l	250	1000	24.00	-	-	-	-
9	Total Hardness as CaCO ₃	APHA -24 EDITION	2340-C	mg/l	200	600	179.77	-	-	-	-
10	Calcium as Ca ²⁺	APHA -24 EDITION	3500 Ca-B	mg/l	75	200	66.99	-	-	-	-
11	Magnesium as Mg ²⁺	APHA -24 EDITION	3500 Mg-B	mg/l	30	100	52.78	-	-	-	-

1. The report should not be produced partly or full without approval signatory authority of legal person.

2. It is recommended that the report should be produced in duplicate.

- The report should not be produced partly or full without approval signatory authority of legal purpose.
- It is recommended that acceptable limit is to be implemented. Values in excess of those mentioned under "acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under the "permissible" limit in the absence of alternate source in column 6 above which the sources will have to be rejected.
- The results refer only to tested samples and parameters on received from customer.
- Samples will be stored for a period of 10 days from date of analysis.
- This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.
- Results apply to the sample as received./ In any condition statment of conformity not performed by lab.

Reviewed By 30.07.25
Sunil Kumar
Lab Assistant

DWTL PHED-Balod (c.g.)

Report Reissue No. 108 Date 30.07.2025 page no. 01/02

Approved by 30.7.25
(Vandana Jain)

Authorized Signatory

Chemist & Q.Mg. DWTL PHED-Balod (c.g.)

श्री जैन सेवा संस्था

ARIHANT ACADEMY, BALOD (C.G.)
AFFILIATED TO CBSE NEW DELHI AFF No. 3330500

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Test Report (Drinking Water)

Report no :- DL/PHED/BLD/108	Discipline :- Chemical Testing		Group :- Drinking Water	
Customer Name /Address :- प्राचार्य अरिहंत एकेडमी बालोद जिला बालोद (छ.ग.)	Sender's Letter No./ Date	28.07.2025	Sampling Done by	Customer
	Sample Collection Date	28.07.2025	Sample Type	Tube well
	DL Receipt No.	108	Physical Condition of Sample	ok
	DL Sample Receipt Date	28.07.2025	Date of Analysis Started	28.07.2025
			Date of Completion of Analysis	30.07.2025
	Sample Quantity	1000 ML	Environmental Condition	25 ± 3°C

Sample Details				
sn.	Sample Id	Dist. & Block	City & Village	Location/Source ID/GPS.Identification
1	108/216/JUL/2025	Balod/Balod	Balod	Arihant Academy balod
2				
3				
4				
5				

Details of parameters their test method unit's and specification as per IS/APHA

sn.	Parameters	Test method IS:3025/APHA 24 th ed		Unit	As per IS-10500-2012 Drinking water		Result of s.no.				
		method	part no.		Acceptable limit	Permissible limit					
1	2	3	4	5	6	7	1	2	3	4	5
12	Conductivity	IS:3025	Part-14	μmho/cm	-	-	436.5	-	-	-	-
13	Fluoride as F ⁻	APHA -24 EDITION	4500-F-C	mg/l	1	1.5	0.978	-	-	-	-
14	Iron as Fe ⁺⁺	APHA -24 EDITION	3500 -Fe ⁺⁺ B	mg/l	0.3	1.0	0.510	-	-	-	-
15	Nitrate as NO ₃	APHA -24 EDITION	4500-NO ₃ B	mg/l	45	45	0.000	-	-	-	-
16	Sulphate as SO ₄ ²⁻	IS:3025	Part- 24	mg/l	200	400	-	-	-	-	-
17	Residual Chlorine	IS:3025	Part- 26	mg/l	0.2	1	0.0	-	-	-	-
18	E. Coli	IS:3025	15185	CFU/100 ml	0	0	0.0	-	-	-	-

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Sunil Kumar
Reviewed By 30.07.25
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Lab Assistant

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Report Issue No. 108 Date 30.07.2025 page no. 02/02

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Vandana Jain
30.7.25
CHEMIST

(Vandana Jain)

Dist. Water Testing Laboratory
PHED Balod (c.g.)

श्री जैन सेवा संस्थान

20000
PRINCIPAL
ARIHANT ACADEMY, BALOD (C.G.)
AFFILIATED TO CBSE NEW DELHI AFF No. 3330500