

पत्रांक 289

पटना / दिनांक 12/08/2024

प्रेषक,

शोध पदाधिकारी,
(वरीय अनुसंधान पदाधिकारी)
राज्य स्तरीय जल जाँच प्रयोगशाला,
(लोक स्वास्थ्य संस्थान, छज्जुबाग)
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।

सेवा में,

Principal
Mother's International Academy
F.C.I. Road, Phulwari Sharif,
Khagaul Highway, Patna – 801505

विषय :- जल जाँच प्रतिवेदन निर्गत करने के संबंध में।

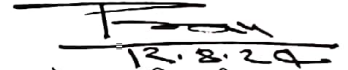
प्रसंग :- आपका पत्रांक – F/12/MIA/24/71, दिनांक–29.07.2024

महाशय,

उपरोक्त प्रासंगिक पत्र के आलोक में कुल 02 अदद जल नमूना का सभी पारामीटर जाँच हेतु भेजा गया था। जाँचोपरांत जाँच प्रतिवेदन संलग्न कर भेजी जा रही है।

अनु० :- यथोपरि।

विश्वासभाजन



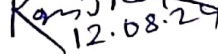
शोध पदाधिकारी

(वरीय अनुसंधान पदाधिकारी)

राज्य स्तरीय जल जाँच प्रयोगशाला,

(लोक स्वास्थ्य संस्थान, छज्जुबाग)

लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना।


12.08.24



STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR

Format No.: SLWTL/FRM/02

Issue No.: 269



Certificate
No.: TC-5752

TEST REPORT

Issue Date: 06.08.2024

Report No: SLWTL/2024/GW-12218

ULR No.- TC575224000000269F

Date of Reporting: 06.08.2024

Name of the Organisation/Person: Mother's International Academy

Location Details: F.C.I. Road, Phulwari Sharif, Khagaul Highway, Patna – 801505

Ref Memo No: F/12/MIA/24/71, Dated- 29.07.2024

Sample Received on: 31.07.2024

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"):No

Type of Sample: Ground Water

Source of Sample: R.O. Water

Volume of Sample: 1 Ltr.

Type of Container: Plastic

Mode of Preservation: Preserved

Sample Condition: Sealed

Deviation of Method, If Any: NIL

Date of Sampling: 31.07.2024

Date of Analysis Started: 01.08.2024

Date of Analysis Completed: 05.08.2024

Remarks: Submitted sample of water confirm to IS:10500-2012 with respect to tested parameters.

Sl. No.	Parameters	Minimum Detection Limit	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters (APHA 23 rd Ed. 2017)	Results
1	pH Value	2.0	6.5-8.5	No relaxation	4500-H ⁺ B, 4-95 to 4-99	7.61
2	Turbidity, NTU	4.0	1	5	2130 B, 2-13 to 2-15	<4.0
3	Conductivity, μ mhos/cm	1.0	-	-	2510 B, 2-58 to 2-59	597.70
4	Total Dissolved Solid, mg/l	10.0	500	2000	2540C, 2-69 to 2-70	388.00
5	Total Hardness(as CaCO ₃), mg/l	10.0	200	600	2340C, 2-48 to 2-50	244.00
6	Calcium(as Ca), mg/l	5.0	75	200	3500-Ca B, 3-69	54.50
7	Magnesium(as Mg), mg/l	2.0	30	100	3500-Mg B, 3-86	26.24
8	Chloride(as Cl), mg/l	5.0	250	1000	4500-Cl B, 4-75	35.98
9	Alkalinity(as CaCO ₃), mg/l	10.0	200	600	2320B, 2-37	212.00
10	Iron(as Fe), mg/l	0.01	1.0	No relaxation	3500-FeB 3-80 to 3-82	<0.01
11	Nitrate(as NO ₃), mg/l	1.0	45	No relaxation	4500-NO ₃ B, 4-127, to 4-129	<1.0
12	Sulphate(as SO ₄), mg/l	5.0	200	400	4500-SO ₄ E, 4-199 to 4-200	19.30
13	Fluoride(as F), mg/l	0.01	1.0	1.5	4500-F C, 4-90 –4-92	0.34
14	Arsenic(as As), mg/l	0.005	0.01	No relaxation	3500-As A & B, 3-66 to 3-68	<0.005

Note: * (i) Drinking Water Specification Second Revision -IS: 10500:2012., ND=Not Done, NR=Not Required.

Ravi Shankar
06.08.24
(Ravi Shankar)

Signature of Lab-In-charge

Copy forwarded to: (i) S.R.O., PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar

Lab-In-charge
SLWTL PHED, Patna

Received By

1. The results are reported based on the materials received. 2. Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of the competent authority of the Laboratory.

----- END OF TEST REPORT -----

Prepared by:

Ajay Khatun
Quality Manager

Approved by:

Pranvi
S.R.O cum Technical Manager

Issued by:

Ravi Shankar
Research Assistant cum Lab-in-charge

Page 1 of 4

Revision No.: 0

Revision Date: Nil



STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR

Format No.: SLWTL/FRM/02

Issue No.: 269

Issue Date: 06.08.2024

TEST REPORT

Report No: SLWTL/2024/GW-12218

Date of Reporting: 06.08.2024

Name of the Organisation/Person: Mother's International Academy

Location Details: F.C.I. Road, Phulwari Sharif, Khagaul Highway, Patna – 801505

Ref Memo No: F/12/MIA/24/71, Dated- 29.07.2024

Sample Received on: 31.07.2024

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): No

Type of Sample: Ground Water

Source of Sample: R.O. Water

Volume of Sample: 250 ml.

Type of Container: Plastic

Mode of Preservation: Preserved

Sample Condition: Sealed

Deviation of Method, If Any: NIL

Date of Sampling: 31.07.2024

Date of Analysis Started: 01.08.2024

Date of Analysis Completed: 05.08.2024

Remarks: Submitted sample of water confirm to IS:10500-2012 with respect to tested parameters.

Sl. No.	Parameters	Minimum Detection Limit	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters (APHA 23rd Ed. 2017)	Results
1	Manganese (as Mn), mg/l, Max	0.01	0.10	0.30	IS, 3025 (Part 59)	<0.01
2	Coliform Organisms, MPN/100ml	--	--	**	M-Test-Tube Technique	Absent

Note: * (i) Drinking Water Specification Second Revision -IS: 10500:2012, ND=Not Done, NR=Not Required.

**Shall not be detectable in any 100 ml sample

Ravi Shankar
06.08.24
(Ravi Shankar)

Signature of Lab-In-charge

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Lab-In-charge
SLWTL P.H.E.D. Patna

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----- END OF TEST REPORT -----

Prepared by:

Amritha
Quality Manager

Approved by:

Amritha
S.R.O cum Technical Manager

Issued by:

Ravi Shankar
Research Assistant cum Lab-in-charge

Page 2 of 4

Revision No.: 0

Revision Date: Nil



STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR

Format No.: SLWTL/FRM/02

Issue No.: 269

Issue Date: 06.08.2024



Certificate
No.: TC-5752

TEST REPORT

Report No: SLWTL/2024/GW-12219 ULR No.: TC575224000000269F Date of Reporting: 06.08.2024

Name of the Organisation/Person: Mother's International Academy

Location Details: F.C.I. Road, Phulwari Sharif, Khagaul Highway, Patna – 801505

Ref Memo No: F/12/MIA/24/71, Dated- 29.07.2024

Sample Received on: 31.07.2024

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"):No

Type of Sample: Ground Water

Source of Sample: Tap Water

Volume of Sample: 1 Ltr.

Type of Container: Plastic

Mode of Preservation: Preserved

Sample Condition: Sealed

Deviation of Method, If Any: NIL

Date of Sampling: 31.07.2024

Date of Analysis Started: 01.08.2024

Date of Analysis Completed: 05.08.2024

Remarks: Submitted sample of water confirm to IS:10500-2012 with respect to tested parameters.

Sl. No.	Parameters	Minimum Detection Limit	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters (APHA 23rd Ed. 2017)	Results
1	pH Value	2.0	6.5-8.5	No relaxation	4500-H ⁺ B, 4-95 to 4-99	7.60
2	Turbidity, NTU	4.0	1	5	2130 B, 2-13 to 2-15	<4.0
3	Conductivity, μ mhos/cm	1.0	-	-	2510 B, 2-58 to 2-59	598.10
4	Total Dissolved Solid, mg/l	10.0	500	2000	2540C, 2-69 to 2-70	388.00
5	Total Hardness(as CaCO ₃), mg/l	10.0	200	600	2340C, 2-48 to 2-50	248.00
6	Calcium(as Ca), mg/l	5.0	75	200	3500-Ca B, 3-69	54.50
7	Magnesium(as Mg), mg/l	2.0	30	100	3500-Mg B, 3-86	27.21
8	Chloride(as Cl), mg/l	5.0	250	1000	4500-Cl B, 4-75	35.98
9	Alkalinity(as CaCO ₃), mg/l	10.0	200	600	2320B, 2-37	210.00
10	Iron(as Fe), mg/l	0.01	1.0	No relaxation	3500-FeB 3-80 to 3-82	<0.01
11	Nitrate(as NO ₃), mg/l	1.0	45	No relaxation	4500-NO ₃ B, 4-127, to 4-129	<1.0
12	Sulphate(as SO ₄), mg/l	5.0	200	400	4500-SO ₄ E, 4-199 to 4-200	12.70
13	Fluoride(as F), mg/l	0.01	1.0	1.5	4500-F C, 4-90 -4-92	0.38
14	Arsenic(as As), mg/l	0.005	0.01	No relaxation	3500-As A & B, 3-66 to 3-68	<0.005

Note: * (i) Drinking Water Specification Second Revision -IS: 10500:2012., ND=Not Done, NR=Not Required.

Ravi Shankar
06.08.24
(Ravi Shankar)

Signature of Lab-In-charge

Copy forwarded to: (i) S.R.O., PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar

Lab-in-charge
SLWTL PHED Patna
Received By

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----- END OF TEST REPORT -----

Prepared by:

Agarwal
Quality Manager

Approved by:

Pranvi
S.R.O cum Technical Manager

Issued by:

Ravi Shankar
Research Assistant cum Lab-in-charge

Page 3 of 4

Revision No.: 0

Revision Date: Nil



STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR

Format No.: SLWTL/FRM/02

Issue No.: 269

TEST REPORT

Issue Date: 06.08.2024

Report No: SLWTL/2024/GW-12219

Date of Reporting: 06.08.2024

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Ref Memo No: F/12/MIA/24/71, Dated: 29.07.2024

Sample Received on: 31.07.2024

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): No

Type of Sample: Ground Water

Source of Sample: Tap Water

Volume of Sample: 250 ml.

Type of Container: Plastic

Mode of Preservation: Preserved

Sample Condition: Sealed

Deviation of Method, If Any: NIL

Date of Sampling: 31.07.2024

Date of Analysis Started: 01.08.2024

Date of Analysis Completed: 05.08.2024

Remarks: Submitted sample of water conform to IS:10500-2012 with respect to tested parameters.

Sl. No.	Parameters	Minimum Detection Limit	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters (APHA 23 rd Ed. 2017)	Results
1	Manganese (as Mn), mg/l, Max	0.01	0.10	0.30	IS, 3025 (Part 59)	<0.01
2	Coliform Organisms, MPN/100ml	--	--	**	M-Test-Tube Technique	Absent

Note: * (i) Drinking Water Specification Second Revision -IS: 10500:2012., ND=Not Done, NR=Not Required.
** Shall not be detectable in any 100 ml sample

Ravishankar
06.08.24
(Ravi Shankar)

Signature of Lab-In-charge

Copy forwarded to: (i) S.R.O., PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar

Lab-in-charge
SLWTL PHED Patna

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----- END OF TEST REPORT -----

Prepared by:

Arjun Khatun
Quality Manager

Approved by:

Arjun Khatun
S.R.O cum Technical Manager

Issued by:

Ravishankar
Research Assistant cum Lab-in-charge

Page 4 of 4

Revision No.: 0

Revision Date: Nil