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 Internatioal 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, (मोक स्वास्थ्य संस्थान, छज्जुबाग)

लोक स्वारथ्य अभियंत्रण विभाग, बिहार, पटना।



TEST REPORT

Format No.: SLWTL/FRM/02

Issue No.: 269



Issue Date: 06.08.2024

Certificate No.: TC-5752

Report No: SLWTL/2024/GW-12218 ULR No T				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								
Sam	iple Collected by SLWTL (SLWTL colle	ect sample fo	ollowed by th	he Sampling Proced	lure "SLWTL/F	PCD/02/15"):No		
Тур	e of Sample: Ground Water			Source of Samp				
	ime of Sample: 1 Ltr.			Type of Contain	pe of Container: Plastic			
Mod	e of Preservation: Preserved	,		Sample Conditi	Sample Condition: Sealed			
	iation of Method , If Any: NIL			Date of Samplin	ng: 31.07.202	4		
Date	of Analysis Started: 01.08.2024			Date of Analysis	s Completed	: 05.08.2024		
Rem	narks: Submitted sample of water confir	m to IS:105	00-2012 with	respect to tested p	parameters.			
SI. No.	Parameters	Minimum Detection Limit	Desirable Limit*	Permissible Limit* in absence of alternate source		Testing Parameters A 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 E	3, 2-13 to 2-15	<4.0	
3	Conductivity, µmhos/cm	1.0	-	=	2510 E	3, 2-58 to 2-59	597.70	
4	Total Dissolved Solid, mg/l	10.0	500	2000	25400	c, 2-69 to 2-70	388.00	
5	Total Hardness(as CaCO₃), mg/l	10.0	200	600	23400	c, 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 CI), mg/l	5.0	250	1000	4500)-Cl B, 4-75	35.98	
9	Alkalinity(as CaCO₃), mg/l	10.0	200	600	23:	20B, 2-37	212.00	
10	Iron(as Fe), mg/l	0.01	1.0	No relaxation	3500-Fe	B 3-80 to 3-82	<0.01	
11	Nitrate(as NO₃), mg/l	1.0	45	No relaxation	4500-NO₃E	3, 4-127, to 4-129	<1.0	
12	Sulphate(as SO ₄), mg/l	5.0	200	400	4500-SO4 I	E , 4-199 to 4-200	19.30	
13	Fluoride(as F), mg/l	0.01	1.0	1.5		C, 4-90 –4-92	0.34	
14	Arsenic(as As), mg/l	0.005	0.01	No relaxation		& 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)								
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 SLWTI PHED, Patna								
Received By								
nature	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:	Approved by:	Issued by:	Page 1 of 4
Alga Halde	-anini	Rarishanker	Revision No.: 0
Quality Manager	S.R.O cum Technical Manager	Research Assistant cum Lab-in-charge	Revision Date: Nil



Format No.: SLWTL/FRM/02

Issue No.: 269

Issue Date: 06.08.2024

TEST REPORT

Repo	ort 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								
	of Sample: Ground Water			Source of Sample: R.O. Water				
	me of Sample: 250 ml.	ı		Type of Containe	er: Plastic			
	e of Preservation: Preserved			Sample Condition: Sealed				
Devi	ation of Method , If Any: NIL			Date of Sampling: 31.07.2024				
	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.								
SI. No.	Parameters	Minimum Detection Limit	Desirable Limit*	Permissible Limit* in absence of alternate source	and the state of Decembers		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 Abser		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)								
Signature of Lab-In-charge								
Сору	forwarded to: (i) S.R.O , PHED, Govt. of Bih	ar, (ii) Engine	er-in-Chief, F	PHED, Govt. of Bihar		Lab-in-ch SLWTL PH.E	narge .D Patna	
						Received E	Зу	

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 -----

Page 2 of 4 Issued by: Prepared by: Approved by: Revision No.: 0 Revision Date: Nil S.R.O cum Technical Manager **Quality Manager** Research Assistant cum Lab-in-charge



Format No.: SLWTL/FRM/02

Issue No.: 269

Issue Date: 06.08.2024



Certificate No.: TC-5752

TEST REPORT

Date of Reporting: 06.08.2024 Report No: SLWTL/2024/GW-12219 ULR No.- TC575224000000269F Name of the Organisation/Person: Mother's International Academy Location Details: F.C.I. Road, Phulwari Sharif, Khagaul Highway, Patna - 801505 Sample Received on: 31.07.2024

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

Source of Sample: Tap Water Type of Sample: Ground Water Type of Container: Plastic Volume of Sample: 1 Ltr. Sample Condition: Sealed Mode of Preservation: Preserved

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

Date of Analysis Started: 01.08.2024

Date of Sampling: 31.07.2024 Deviation of Method, If Any: NIL Date of Analysis Completed: 05.08.2024

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

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Parameters	Minimum Detection	Desirable Limit*	Permissible Limit* in absence of	Method of Testing Parameters (APHA 23 rd Ed. 2017)	Results
		65.85		4500-H+B, 4-95 to 4-99	7.60
		0.0-0.0			<4.0
Turbidity, NTU	4.0	1.	0		598.10
Conductivity, µmhos/cm	1.0	- "	-		388.00
	10.0	500	2000		
			600	2340C, 2-48 to 2-50	248.00
		-		3500-Ca B. 3-69	54.50
Calcium(as Ca), mg/l	5.0	/5			27.21
Magnesium(as Mg), mg/l	2.0	30	100		35.98
	5.0	250	1000	4500-Cl B, 4-75	
		200	600	2320B, 2-37	210.00
Alkalinity(as CaCO ₃), mg/l				3500-FeB 3-80 to 3-82	<0.01
Iron(as Fe), mg/l	0.01				<1.0
Nitrate(as NO ₃), mg/l	1.0	45	No relaxation		12.70
	5.0	200	400		
	0.01	1.0	1.5	4500-F C, 4-90 ~4-92	0.38
				3500-As A & B.3-66 to 3-68	<0.005
Arsenic(as As), mg/l					
	Parameters pH Value Turbidity, NTU Conductivity, µmhos/cm Total Dissolved Solid, mg/l Total Hardness(as CaCO ₃), mg/l Calcium(as Ca), mg/l Magnesium(as Mg), mg/l Chloride(as Cl), mg/l Alkalinity(as CaCO ₃), mg/l	Parameters Minimum Detection Limit pH Value 2.0 Turbidity, NTU 4.0 Conductivity, μmhos/cm 1.0 Total Dissolved Solid, mg/l 10.0 Total Hardness(as CaCO₃), mg/l 10.0 Calcium(as Ca), mg/l 5.0 Magnesium(as Mg), mg/l 2.0 Chloride(as Cl), mg/l 5.0 Alkalinity(as CaCO₃), mg/l 10.0 Iron(as Fe), mg/l 0.01 Nitrate(as NO₃), mg/l 5.0 Sulphate(as SO₄), mg/l 5.0 Fluoride(as F), mg/l 0.01 Arsenic(as As), mg/l 0.005	Parameters Minimum Detection Limit Desirable Limit* pH Value 2.0 6.5-8.5 Turbidity, NTU 4.0 1 Conductivity, μmhos/cm 1.0 - Total Dissolved Solid, mg/l 10.0 500 Total Hardness(as CaCO3), mg/l 10.0 200 Calcium(as Ca), mg/l 5.0 75 Magnesium(as Mg), mg/l 2.0 30 Chloride(as Cl), mg/l 5.0 250 Alkalinity(as CaCO3), mg/l 10.0 200 Iron(as Fe), mg/l 0.01 1.0 Nitrate(as NO3), mg/l 5.0 200 Fluoride(as F), mg/l 0.01 1.0 Arsenic(as As), mg/l 0.005 0.01	Parameters Detection Limit Limit Desirable Limit* alternate source pH Value 2.0 6.5-8.5 No relaxation Turbidity, NTU 4.0 1 5 Conductivity, μmhos/cm 1.0 - - Total Dissolved Solid, mg/l 10.0 500 2000 Total Hardness(as CaCO3), mg/l 10.0 200 600 Calcium(as Ca), mg/l 5.0 75 200 Magnesium(as Mg), mg/l 2.0 30 100 Chloride(as Cl), mg/l 5.0 250 1000 Alkalinity(as CaCO3), mg/l 10.0 200 600 Iron(as Fe), mg/l 0.01 1.0 No relaxation Nitrate(as NO3), mg/l 5.0 200 400 Sulphate(as SO4), mg/l 5.0 200 400 Fluoride(as F), mg/l 0.01 1.0 No relaxation Arsenic(as As), mg/l 0.005 0.01 No relaxation	Parameters Minimum Detection Limit Desirable Limit* in absence of alternate source Permissible Limit* in absence of alternate source Method of Testing Parameters (APHA 23 rd Ed. 2017) pH Value 2.0 6.5-8.5 No relaxation 4500-H*B, 4-95 to 4-99 Turbidity, NTU 4.0 1 5 2130 B, 2-13 to 2-15 Conductivity, μmhos/cm 1.0 - - 2510 B, 2-58 to 2-59 Total Dissolved Solid, mg/l 10.0 500 2000 2540C, 2-69 to 2-70 Total Hardness(as CaCO3), mg/l 10.0 200 600 2340C, 2-48 to 2-50 Total Hardness(as CaCO3), mg/l 5.0 75 200 3500-Ca B, 3-69 Magnesium(as Mg), mg/l 2.0 30 100 3500-Mg B, 3-86 Chloride(as Cl), mg/l 5.0 250 1000 4500-Cl B, 4-75 Alkalinity(as CaCO3), mg/l 10.0 200 600 2320B, 2-37 Iron(as Fe), mg/l 0.01 1.0 No relaxation 4500-FcB 3-80 to 3-82 Nitrate(as NO3), mg/l 5.0 200 400 4500-SO4 E, 4-199 to 4-200 <

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

06.08 (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 Patne 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 -----

Draw awad hyg	Approved by:	Issued by:	Page 3 of 4
Prepared by:	T-who	Rarishankor	Revision No.: 0
Liga Hold	7	' \	Revision Date: Nil
Quality Manager	S.R.O cum Technical Manager	Research Assistant cum Lab-in-charge	



Format No.: SLWTL/FRM/02

Issue No.: 269

Issue Date: 06.08.2024

TEST REPORT

Date of Reporting: 06.08.2024 Report No: SLWTL/2024/GW-12219 Name of the Organisation/Person: Mother's International Academy Location Details: F.C.I. Road, Phulwari Sharif, Khagaul Highway, Patna - 801505 Sample Received on: 31.07.2024 Ref Memo No: F/12/MIA/24/71, Dated= 29.07.2024 Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): No Source of Sample: Tap Water Type of Sample: Ground Water Type of Container: Plastic Volume of Sample: 250 ml.

Sample Condition: Sealed Mode of Preservation: Preserved Date of Sampling: 31.07.2024 Deviation of Method, If Any: NIL

Date of Analysis Completed: 05.08.2024 Date of Analysis Started: 01.08.2024

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

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

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

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 ... SLWT PHED Patna

Received By

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

Page 4 of 4 Issued by: Approved by: Prepared by: Revision No.: 0 Juga Halden Revision Date: Nil Research Assistant cum Lab-in-charge S.R.O cum Technical Manager **Quality Manager**