



TC-10766

Laboratory Name : District Level Laboratory (DLL),Mangaldai,Darrang,Assam

Address : O/o the Executive Engineer (PHE), Mangaldai Division ,Mangaldai, Darrang.

Email ID : dlphemld@gmail.com

Ph. No: 9365653886/9365211842

Issue No = 2370
Dt. 02-01-2024

Test Report

Test Report No . DLL/MLD/T-371/2023-24

Date of issue : 02-01-2024

ULR No. : TC-1076623000000371F
 Issued To : P.M. Shri Kendriya Vidyalaya, Mangaldai, Vill - Gosaigaon, P.O - Mangaldai,
 Dist - Darrang
 Customer Reference No : Nil Date : 28-12-2023
 Sample Id : DLL/MLD/01/281223
 Sample Description : Ground water (HP)
 Sample Type : Clear water (RO)
 Sample collected on dated : 28/012/2023
 Sample collected by : Nikumani Baruah (Contact No. 9613685001)
 Sample received on dated : 28/12/2023
 Sample Location : Vill - Gosaigaon, P.O - Mangaldai, Dist - Darrang, (PIN-784125).
 Sample Quantity : 1000 ml
 Date of Analysis started : 28/12/2023
 Date of Analysis completed : 30/12/2023

Sr. No	Parameter	Protocol Used	Result	IS:10500:2012(Second Revision)		Unit
				Desirable limit	Max. Permissible limit (in absence of better alternate source)	
1	Colour	IS : 3025(Part 4) - 1983; Reaffirmed 2002	< 5	5	15	HU (Hazen)
	Odour	IS : 3025(Part 5) -1983; (Reaffirmed 2002)	Agreeable	Agreeable		
3	pH	IS : 3025(Part 11) -1983; (Reaffirmed 1996,2012 ,2017)	6.73	6.5 to 8.5	No relaxation	pH Units
4	Total Dissolved Solids	IS : 3025(Part 16) -1984; (Reaffirmed 2002)	160	500	2000	mg/L
5	Turbidity	IS : 3025(Part 10) -1984; (Reaffirmed 1996,2012 ,2017)	1	1	5	NTU
6	Chloride (as Cl)	IS : 3025(Part 32) -1988; (Reaffirmed 2003,2014 , 2019)	21.27	250	1000	mg/L
7	Total Alkalinity (as CaCO ₃)	IS : 3025(Part 23) -1986; (Reaffirmed 2003,2014 , 2019)	38	200	600	mg/L
8	Total Hardness (as CaCO ₃)	IS : 3025(Part 21) -2009; (Reaffirmed 2014 ,2019)	48	200	600	mg/L
9	Calcium (as Ca)	IS : 3025(Part 40) -1991; (Reaffirmed 2003)	26	75	200	mg/L
10	Magnesium (as Mg)	APHA 23rd Edition-3500-Mg_Method B(By Calculation)	22	30	100	mg/L
11	Total Iron (as Fe)	APHA 23rd Edition-3500- Fe Method B (Phenanthroline Method)	0.17	1	No relaxation	mg/L
12	Fluoride (as F)	APHA 23rd Edition-4500 - F Method D (SPADNS Method)	0.15	1	1.5	mg/L

BDL : Below Detectable Limit

Opinion : The Parameter/s tested at Sr. No. In the test report does/do not meet the requirement of IS 10500:2012 (Second revision).

Notes :

- The results given are related to the sample as received and tested in the laboratory. Reliability of sample lies with the sender.
- The test report cannot be regenerated/re-produced in whole or in part without written permission of the Laboratory.
- The test report cannot be used for any publicity or any legal purpose.
- The test sample meant for chemical analysis will be disposed of after 15 days from the date of issue of test report unless & until specially requested by the customer for retaining over a longer period.

S.K. Kalita
Sample analysed by : Lab Asstt.(Name)
Authorized Signatory/Chemist
Lab Name : DLL (PHE), Mangaldai

END OF TEST REPORT

Laboratory Name : District Level Laboratory (DLL),Mangaldai,Darrang,Assam
 Address : O/o the Executive Engineer (PHE) Mangaldai Division ,Mangaldai, Darrang.
 Email ID : dllphemld@gmail.com Ph. No: 9365653886/9365211842

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RESULTS

Sr. No	Parameter	Protocol Used	Result	IS:10500:2012(Second Revision)		Unit
				Desirable limit	Max. Permissible limit (in absence of better alternate source)	
1	Sulphate	IS : 3025(Part 24) -1986; (Reaffirmed 1992,2003,2014 & 2019)	---	200	400	mg/L
2	Arsenic	IS : 3025(Part 27) -1988; (Reaffirmed 2003, 2014 & 2019)	0.001	0.01	No relaxation	mg/L
3	Nitrate-Nitrogen (as NO ₃)	IS : 3025(Part 34) -1988 (Chromotropic Acid Method)	---	45	No relaxation	mg/L
4	Free Residual Chlorine (as Cl ₂)	APHA 4500-Cl B	---	0.2	No relaxation	mg/L
5	Taste	IS : 3025(Part 8) -1984; (Reaffirmed 2002)	Agreeable	Agreeable	No relaxation	---

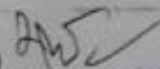
BDL : Below Detectable Limit

Opinion : The Parameter/s tested at Sr. No. in the test report does/do not meet the requirement of IS 10500:2012 (Second revision)

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Sample analysed by : S. K. Kalita
 Lab Asst.

(Name) 
 Authorized Signatory/Chemist
 Lab Name : DLL (PHE),Mangaldai

END OF TEST REPORT