

ADS: KOL: ADS / SWRN / 19052022

Date: 19.05.2022

TO WHOM IT MAY CONCERN

CERTIFICATE FOR SANITARY AND SEWAGE DISPOSAL SYSTEM AT HOLDING NO. 180, N.S.ROAD; L.R. DAG NO-50,51,52,54,55,56 & 59; L.R. KHATIAN NO. 6389,6390,7115,7350; R.S KHATIAN NO. 1277,1279,1281, 1283,1285,1287,1289,1291,1216,1210,1218,1209,891; R.S DAG NO. 46,47,48,50,51,55,52; MOUZA-KODALIA, J.L. NO.-35; WARD NO.-20,P.S. SONARPUR, UNDER RAJPUR-SONARPUR MUNICIPALITY; DIST-24PGS(S), FOR SWARNIM INTERNATIONAL SCHOOL (SWARNIM FOUNDATION)

This is to certify that the Sanitary Provision and Sewage Disposal System incorporated and in operation includes sufficient fixtures and facilities to the suit the number of users in the building as per The National Building code.

The Sewage is connected to the City Sewerage System.

For ADS DESIGNS PVT LTD

Jui Mallik
JUI MALLIK ARCHITECT:-
DIRECTOR JUI MALLIK
 COA REGN. NO.-CA/98/23840

SWARNIM INTERNATIONAL SCHOOL
Swati Sarawag
Resident Director

SWARNIM INTERNATIONAL SCHOOL
F. Biswas
Principal



R. V. BRIGGS & CO. PRIVATE LTD.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

(AN ISO 9001:2015 & ISO 45001 : 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380 / 3381 / 3382 / 3383, Website : www.rvbriggs.com

E-mail : rvbriggs.kolkata@gmail.com, info@rvbriggs.com

CIN : U51109WB1931PTC007007



TC-12347

TEST REPORT

ULR NO. TC1234724000001471

No. W(S)/23-24/2281

Date : March 21, 2024

Page 1 of 3

Issued to

: SWARNIM INTERNATIONAL SCHOOL

180, N. S. C. Bose Road, Kodalia, P.S. Sonarpur, Kolkata - 700146

Your Ref No.

: Letter dtd. 11.03.2024

Sample Description

: Drinking Water

Mark on Sample

: Swarnim International School

Sample Submitted On

: 11.03.2024

Test Completed on

: 13.03.2024

Parameters Tested:

Microbiological :

1) Coliform Organism (2) E.Coli

Microbiological Test Findings :

Sl No.	Test parameters	Test Method	Unit	Results	Norms as per IS : 10500, 2012 (2nd Rev.) & Amendment No. 2, September 2018
1	Coliform Organism	APHA 24th Edn. 9222B	CFU /100ml.	Absent	Absent
2	E. coli	APHA 24th Edn. 9222H	CFU /100ml.	Absent	Absent

Remarks on Microbiological Test Report :

The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Amendment No. 2, September 2018 & Satisfactory for drinking purpose, in respect of the above mentioned parameters.

: END OF TEST REPORT :


Verified by


(Pijush Kanti Dutta)
Sr. Microbiologist
Authorized Signatory

nb

- ★ The test report shall not be reproduced, except in full, without written approval of the Company.
- ★ Results relate only to the parameters tested.



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: SWARNIM INTERNATIONAL SCHOOL

180, N. S. C. Bose Road, Kodalia, P.S. Sonarpur, Kolkata - 700146

Your Ref No.

: Letter dtd. 11.03.2024

Sample Description

: Drinking Water

Mark on Sample

: Swarnim International School

Sample Submitted On

: 11.03.2024

Test Completed on

: 18.03.2024

Parameters Tested :

As per IS: 10,500, 2012

1. Organoleptic and Physical - 6 Parameters

2. General Parameters - 21 Parameters

3. Toxic Substances - 7 Parameters

Physical & Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Results	Norms as per IS : 10500, 2012 (2nd Rev.) & Amendment No. 2, September 2018	
					Acceptable Limit	Permissible Limit
A. Organoleptic and Physical Parameters						
1	Colour	IS: 3025-(part-4): 1983	Hazen	1	5 Max.	15 Max.
2	Odour	IS:3025(Part-5):1983	Agreeable	Agreeable	Agreeable
3	Taste	IS:3025(Part-8):1984	---	Agreeable	Agreeable	Agreeable
4	pH value	IS: 3025 (Part-11): 1983	6.9	6.5 - 8.5	No Relaxation
5	Turbidity	IS: 3025 (Part-10): 1984	NTU	< 1	1 Max.	5 Max.
6	Total Dissolved Solids	IS: 3025 (Part-16): 1984	mg/l	426	500 Max.	2000 Max.
B. General Parameters Concerning Substances Undesirable in Excessive Amounts						
1	Aluminium as Al	IS: 3025 (Part-55)	mg/l	<0.03	0.03 Max.	0.2 Max.
2	Ammonia (NH3-N)	IS: 3025(Part-34)	mg/l	<0.2	0.5 Max.	No Relaxation
3	Anionic detergents(as MBAS)	APHA 24th Edn. 5540C	mg/l	<0.05	0.2 Max.	1 Max
4	Barium as Ba	APHA 24th Edn. 3111D	mg/l	<0.5	0.7 Max.	No Relaxation
5	Boron as B	IS: 3025 (Part-57): 2005	mg/l	<0.2	0.5 Max.	2.4 Max.
6	Calcium as Ca	IS: 3025 (Part-40) - 1991	mg/l	61.2	75 Max.	200 Max.
7	Chloride as Cl	IS: 3025 (Part-32): 1988	mg/l	31.7	250 Max.	1000 Max.
8	Copper as Cu	IS: 3025 (Part-42): 1992	mg/l	<0.05	0.05 Max.	1.5 Max.
9	Fluoride as F	IS: 3025 (Part-60): 2008	mg/l	0.27	1 Max.	1.5 Max.
10	Iron as Fe	IS: 3025 (Part-53): 2003	mg/l	<0.1	1.0 Max.	No Relaxation
11	Magnesium as Mg	IS: 3025 (Part-46): 1994	mg/l	26.7	30 Max.	100 Max.
12	Manganese as Mn	IS: 3025 (Part-59): 2006	mg/l	< 0.05	0.1 Max.	0.3 Max.
13	Nitrate as NO3	APHA 24th Edn. 4500-NO3 D	mg/l	13.4	45 Max.	No Relaxation
14	Phenolic Compounds as C ₆ H ₅ OH	IS: 3025 (Part-43) - 1992	mg/l	<0.001	0.001 Max.	0.002 Max.
15	Selenium as Se	IS: 3025 (Part-56): 2003	mg/l	<0.01	0.01 Max.	No Relaxation
16	Silver as Ag	Annex J of IS: 13428	mg/l	<0.05	0.1 Max.	No Relaxation
17	Sulphate as SO ₄	IS: 3025 (Part-24) - 1986	mg/l	12.2	200 Max.	400 Max.

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TC-12347

TEST REPORT

No. W(S)/23-24/2281 Date : March 21, 2024 Page 3 of 3

Sl No.	Test parameters	Test Method	Unit	Results	Norms as per IS : 10500, 2012 (2nd Rev.) & Amendment No. 2, September 2018	
					Acceptable Limit	Permissible Limit
17	Sulphide as H ₂ S	IS: 3025 (Part-29): 1986	mg/l	<0.05	0.05 Max.	No Relaxation
18	Total Alkalinity as CaCO ₃	IS: 3025 (Part-23) - 1986	mg/l	295	200 Max.	600 Max.
19	Total Hardness as CaCO ₃	IS: 3025 (Part-21) - 2009	mg/l	263	200 Max.	600 Max.
20	Zinc as Zn	IS: 3025 (Part-49): 1994	mg/l	<0.05	5 Max.	15 Max.
C. Parameters Concerning Toxic Substances						
1	Cadmium as Cd.	IS: 3025 (Part-41): 1992	mg/l	<0.002	0.003 Max.	No Relaxation
2	Cyanide as CN	IS: 3025 (Part-27): 1986	mg/l	< 0.05	0.05 Max.	No Relaxation
3	Lead as Pb	IS: 3025 (Part-47): 1994	mg/l	<0.01	0.01 Max.	No Relaxation
4	Mercury as Hg	IS: 3025 (Part-48): 1994	mg/l	<0.001	0.001 Max.	No Relaxation
5	Nickel as Ni	IS: 3025 (Part - 54) 2003	mg/l	<0.01	0.02 Max.	No Relaxation
6	Total Arsenic as As	IS: 3025 (Part-37): 1988	mg/l	<0.002	0.01 Max.	No Relaxation
7	Total Chromium as Cr	IS: 3025 (Part-52): 2003	mg/l	<0.05	0.05 Max.	No Relaxation

Minimum detection limit:

- | | | | |
|-------------------------------------|----------------------------------|---------------------------|------------------------|
| i) Turbidity : 1.0NTU | ii) Aluminium : 0.03mg/l | iii) Barium : 0.5mg/l | iv) Boron : 0.2mg/l |
| v) Anionic Detergents : 0.05mg/l | vii) Copper : 0.05mg/l | viii) Zinc : 0.05mg/l | viii) Iron : 0.1mg/l |
| ix) Selenium : 0.01mg/l | x) Ammonia : 0.2mg/l | xi) Sulphide : 0.05mg/l | xii) Silver : 0.05mg/l |
| xiii) Cadmium : 0.002mg/l | xiv) Cyanide : 0.05mg/l | xv) Mercury : 0.001mg/l | xvi) Nickel : 0.01mg/l |
| xvii) Total Chromium : 0.05mg/l | xviii) Total Arsenic : 0.002mg/l | xix) Manganese : 0.05mg/l | xx) Lead : 0.01mg/l |
| xxi) Phenolic Compounds : 0.001mg/l | | | |

Remarks on Chemical Test Report :

- The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) Amendment No. 2, September 2018 & Satisfactory for drinking purpose, in respect of the above mentioned parameters.
- Total Alkalinity & Total Hardness are beyond the acceptable limit but within the permissible limit

Remarks on Test Report in respect of Microbiological & Chemical Test : The Water sample is fit for Human Consumption, in respect of the above Microbiological & Chemical Parameters

: END OF TEST REPORT :

Report Verified by
(J. DAS)

J. Mukherjee
Quality Manager

Authorized Signatory
For R.V.BRIGGS & CO. PRIVATE LTD.