



TEST REPORT

ULR No. TC591019000000065P

Certificate No.: W(D)/19-20/37

SAMPLE DRAWN BY US :

Format No.: ND1/FM/50

Date: 29.05.2019

Page 1 of 1

Name of Customer : Ashok Hall Junior Girls' School.
 Address : 6 A, Palm Avenue, Kolkata-700019
 Description of Sample : Drinking Water
 Collection Source : Near Ground Floor Water Tap
 Sample Drawn on : 23.05.2019
 Sample Received on : 23.05.2019
 Analysis Completed on : 29.05.2019
 Method of Sampling : IS : 1622 : 1981 (Reaffirmed 2009)
 Mode of Sampling : Grab

A. MICROBIOLOGICAL TEST FINDINGS :						
Sl. No.	Test parameters	Test Method	Unit	Result	Norms as per IS 10500:2012	
1	Total Coliform/100 ml	IS: 1622:1981 RA 2019	Cfu	<1	Not Detectable	
2	E. coli/100 ml	IS: 1622:1981 RA 2019		Absent	Not Detectable	
B. CHEMICAL TEST FINDINGS :						
Sl No.	Test parameters	Test Method	Unit	Result	Norms as per	
					AL (Max.)	PL (Max.)
1	Colour	APHA 23rd Edition, 2120B	Hazen	<1	5	15
2	Appearance	---		Clear	---	---
3	Odour	APHA 23rd Edition, 2150B		Agreeable	Agreeable	Agreeable
4	Turbidity	APHA 23rd Edition, 2130-B	NTU	<1	1.0	5.0
5	pH value	APHA 23rd Edition, 4500 H+B	---	6.9	6.5 - 8.5	No Relaxation
6	Total Hardness as CaCO ₃	APHA 23rd Edition, 2340-C	mg/L	125	200	600
	a) Temp. Hardness	---	mg/L	100	---	---
	b) Perm. Hardness	---	mg/l	25	---	---
7	Sulfate as SO ₄	APHA 23rd Edition, 4500- SO ₄ ²⁻ E	mg/l.	29.3	200	400
8	Chloride as Cl	APHA 23rd Edition, 4500 Cl-B	mg/l.	29.3	250	1000
9	Total Dissolved Solids	APHA 23rd Edition, 2540-C	mg/l.	202	500	2000
10	Alkalinity as CaCO ₃	APHA 23rd Edition, 2320-B	mg/l.	100	200	600
11	Iron as Fe	APHA 23rd Edition, 3500- Fe B	mg/l.	<0.1	0.30	No Relaxation
12	Calcium as Ca	APHA 23rd Edition, 3500- Ca B	mg/l.	29	75	200
13	Magnesium as Mg	APHA 23rd Edition, 3500- Mg B	mg/L.	12.76	30	100
14	Nitrate as NO ₃	APHA 23rd Edition, 4500 NO3-B	mg/l	<0.2	45.00	No Relaxation
15	Fluoride as F	APHA 23rd Edition, 4500-F-D	mg/l	0.42	1.00	1.5
16	Arsenic as As	APHA 23rd Edition, 3500-As B	mg/l	<0.01	0.01	0.05
17	Silica as SiO ₂	APHA 23rd Edition, 4500- SiO ₂ C	mg/L.	7.4	---	---

Note : 1. AL - Acceptable Limit 2. PL - Permissible Limit.

As per IS 10500:2012 Total Coliform should be Not Detectable/100ml, which is equivalent to <1 Cfu/100 ml as per IS: 1622 : 1981 RA 2019.

Remarks : Bacteriologically : Satisfactory for the above tested parameters.

Chemically : Satisfactory for the above tested parameters.

...End of Test Report...

For N. D. International
 Sweta Mukherjee
 In-Charge Microbiology
 Biological Discipline
 Authorized Signatory

For N. D. International
 Bidhan Ch. Biswas
 Sr. Chemist
 Chemical Discipline
 Authorized Signatory

- The test report shall not be reproduced, except in full, without written approval of the company.
- Results relate only to the parameters tested.
- The remaining sample after test will be retained for 15 days from the date of issue of certificate.

SKN-II



Ref. No.SKD/KOL/2019-20/030

Dated -22.04.2019

CERTIFICATE OF ANALYSIS

This is to certify that a sample of "Drinking Water" Drawn on 17-04-2019 on account of **M/S ASHOK HALL GIRLS H.S SCHOOL, 5A, SARAT BOSE ROAD, KOLKATA**, has been analyzed with the following results: -

A. PHYSICAL TEST FINDINGS: 1.Appearance- Clear. 2. Colour-Colourless. 3. Odour-Unobjectionable

CHEMICAL TEST FINDINGS:

SL. No	Test Parameters	Test Method	Unit	Result	Norms as per IS:10500-2012 2 nd Revision	
					AL	PL
1	Turbidity	APHA 23 rd Edition 2130 B	NTU	<1	1.0	5.0
2	pH Value	APHA 23 rd Edition, 4500 H ⁺ B	----	7.42	6.5-8.5	No Relaxation
3	Total Dissolved Solids	APHA 23 rd Edition, 2540C	mg/l	415	500	2000
4	Alkalinity as CaCO ₃	IS:3025(Part-23)- 1986	mg/l	280	200	600
5	Silica as SiO ₂	APHA 23 rd Edition 4500-SiO ₂ C	mg/l	1.25	----	----
6	Iron (as Fe)	APHA 23 rd Edition, 3500 Fe B	mg/l	<0.1	0.30	No Relaxation
7	Calcium (as Ca)	APHA 23 rd Edition, 3500-Ca	mg/l	86	75	200
8	Magnesium(as Mg)	APHA 23 rd Edition, 3500 Mg	mg/l	41.50	30	100
9	Sulphate (as So ₄)	IS:3025(Part-24)- 1986	mg/l	8.2	200	400
10	Chloride (as Cl)	APHA 23 rd Edition 4500-Cl-B	mg/l	240	250	1000
11	Nitrate (as NO ₃)	Annual Book of ASTM Standard, 1985	mg/l	0.44	45	No Relaxation
12	Total Hardness as CaCO ₃	APHA 23 rd Edition 2340C	mg/l	380	200	600
	a) Temporary Hardness	-----	mg/l	280	----	----
	b) Permanent Hardness	-----	mg/l	100	----	----
13	Arsenic as As	APHA 23 rd Edition 3114C	mg/l	0.003	0.01	0.05

Note: 1. AL- Acceptable Limit, 2. PL- Permissible Limit.

Remarks: Satisfactory for above mentioned Parameters.

SAMPLE MARK: SAMPLE TAKEN FROM GROUND FLOOR DRINKING WATER TAP POINT.

SAMPLE DRAWN BY US

Cert Checked By:

For S.K.D.CONSUULTANCY & SERVICES

Authorized Signatory



Your Hygiene - Our Concern



S. K. D. Consultancy & Services
Specialist in Water Treatment Systems
An ISO 9001 : 2008 Certified Company

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skd_consultancy@yahoo.com



Ref. No.SKD/KOL/2019-20/030A

Dated -22.04.2019

CERTIFICATE OF ANALYSIS

This is to certify that a sample of "Drinking Water" Drawn on 17-04-2019 on account of M/S ASHOK HALL GIRLS H.S SCHOOL, 5A, SARAT BOSE ROAD, KOLKATA, has been analyzed with the following results: -

Bacteriological Quality of Drinking Water , as per Norms IS :10500,2012 , 2nd Rev.			
All Water intended for drinking			
Sl. No.	Test Parameters	Requirements	Results
1	E.Coli or thermo tolerant Coliform bacteria	Shall not be detectable in any 100 ml sample	Not detected
2	Total Coliform bacteria	Shall not be detectable in any 100 ml sample	Not detected

Remarks: Bacteriologically: Satisfactory for above mentioned Parameters.

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Ref. No.SKD/KOL/2019-20/030B

Dated -22.04.2019

CERTIFICATE OF ANALYSIS

This is to certify that a sample of "Drinking Water" Drawn on 17-04-2019 on account of **M/S ASHOK HALL GIRLS H.S SCHOOL, 5A, SARAT BOSE ROAD, KOLKATA**, has been analyzed with the following results: -

CHEMICAL ANALYSIS OF DRINKING WATER AS PER IS: 10500-2012, 2nd Rev.

Sl No	Test Parameter	Norms as per IS:10500,2012 2 nd Revision		Test Method Specification No.	Results
		Acceptable Limit	Permissible Limit		
1	Fluoride as F in mg/l	1.0	1.5	APHA 23 rd Edition.4500 FC	0.05

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