

Laboratory: 8-118 Phase II, Nolda, UP.201305 Ph.: 0120-4646700,4646711,4646731, 011-45066390 E-mail: support@aeslabs.com

GST IN: 09AAACP0857B1ZQ MSME No.: UP28E0011437 CIN No.: U74899DL1991PTC045168

# DIGITAL TEST CERTIFICATE

Issued To:

Description:

GYAN ANANT VIDYALAYA

Belongs to Mobius Foundation

Khasra No. 1053, Village Attrouli, Pilkhuwa

Ghaziabad, Delhi - 245304

Report No:

11-240621-02

Report Date:

05/07/2021

Sample Received On: 24/06/2021

Sampled By:

AES Labs (SM 1.4)

Analysis Start Date :

24/06/2021

Analysis End Date:

05/07/2021

Page 1 of 7

Borewell Water, Sample collected near Auditorium Submersible Pump

# Drinking Water - Tests as per IS 10500:2012

### RESULTS

S.No.	Parameter	Test Method	Results	Units	Limit	Extended Limits
Chen						
	dues in Water					
Parai	meters Concerning Toxic	Substances				
	Bromoform	APHA 6232 (B)	BLQ (<0.03)	mg/l	Max 0.1	
	Dibromochloromethane	APHA 6232 (B)	BLQ (<0.03)	mg/l	Max 0.1	
3 E	Bromodichloromethane	APHA 6232 (B)	BLQ (<0.03)	mg/l	Max 0.06	
4 (	Chloroform	APHA 6232 (B)	BLQ (<0.03)	mg/l	Max 0.2	
Pesti	cide Residues				111LA 0.2	7
5 A	Alachior	AES/RES/SOP 5.0	BLQ (<0.005)	µg/l	Max 20	
6 A	Atrazine	AES/RES/SOP 5.0	BLQ (<0.005)	µg/l	Max 2	-
7 F	Aldrin	AES/RES/SOP 5.0	BLQ (<0.005)	µg/l	Max 0.03	
3 [	Dieldrin	AES/RES/SOP 5.0	BLQ (<0.005)	µg/l	Max 0.03	
) H	ICH Alpha	AES/RES/SOP 5.0	BLQ (<0.005)	µg/l	Max 0.03	
10 H	ICH beta	AES/RES/SOP 5.0	BLQ (<0.005)	µg/l	Max 0.04	

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Khasra No. 1053, Village Attrouli, Pilkhuwa

Borewell Water, Sample collected near Auditorium

Ghaziabad, Delhi - 245304

Submersible Pump

Report No:

11-240621-02

Report Date:

05/07/2021

Sample Received On: 24/06/2021

Sampled By:

AES Labs (SM 1.4)

Analysis Start Date: 24/06/2021

05/07/2021

Analysis End Date:

Page 2 of 7

Drinking Water - Tests as per IS 10500:2012

## RESULTS

S.N	o. Parameter	Test Method	Results	Units	Limit	Extended Limits
Pe	sticide Residues					
11	Butachlor	AES/RES/SOP 5.0	BLQ (<0.005)	µg/l	Max 125	
12	Chlorpyrifos	AES/RES/SOP 5.0	BLQ (<0.005)	µg/l	Max 30	
13	HCH delta	AES/RES/SOP 5.0	BLQ (<0.005)	µg/l	Max 0.04	
4	2,4-D	AES/RES/SOP 5.0	BLQ (<0.005)	µg/l	Max 30	
5	Ethion	AES/RES/SOP 5.0	BLQ (<0.005)	µg/l	Max 3	
6	Phorate	AES/RES/SOP 5.0	BLQ (<0.005)	µg/I	Max 2	
	ological ter					
Mid	crobiological Analysis					
7	Coliform	IS 15185 : 2002	Absent	cfu/100ml	Absent	3
8	E.coli	IS 15185 : 2002	Absent	cfu/100ml	Absent	*
Ge	neral Parameters Concern	ing Substances Undesirable				
9	Aluminium (as Al)	IS 3025: (Pt-2):2004	0.012	mg/l	Max 0.03	Max 0.2

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Khasra No. 1053, Village Attrouli, Pilkhuwa

Ghaziabad, Delhi - 245304

Report No:

11-240621-02

Report Date:

05/07/2021

Sample Received On:

24/06/2021

Sampled By:

AES Labs (SM 1.4)

Description:

Borewell Water, Sample collected near Auditorium

Submersible Pump

Analysis Start Date :

24/06/2021 05/07/2021

Analysis End Date:

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Drinking Water - Tests as per IS 10500:2012

### RESULTS

S.No.	Parameter	Test Method	Results	Units	Limit	Extended
Gene	eral Parametere Consul					Limits
	eral Parameters Concerning Ammonia As Total Ammonia - N	Substances Undesirable IS 3025: (Pt-34):1988	BLQ (<0.1)	mg/l	Max 0.5	No Relaxation
1	Anionic surfactant active agents (as MBAS)	IS 13428: 2005 (Annex K)	BLQ (<0.10)	mg/l	Max 0.2	Max 1
2	Calcium (as Ca)	IS 3025: (Pt-40):1991	97.22*	mall	14 75	
23	Chloramines (as Cl2)	IS 3025: (Pt-26):1986	BLQ (<0.1)	mg/l	Max 75	Max 200
4	Chloride (as CI)	IS 3025: (Pt-32):1988		mg/l	Max 4	No Relaxation
5	Fluoride (as F)		8.05	mg/l	Max 250	Max 1000
200	Mineral oil	IS 3025: (Pt-60):2008	0.897	mg/l	Max 1	Max 1,5
		IS 3025: (Pt-39):1991	BLQ (<0.01)	mg/l	Max 0.5	No Relaxation
	Nitrate (as NO3)	IS 3025: (Pt-34):1988	1.23	mg/l	Max 45	No Relaxation
	Phenolic compound (as C6H5OH)	IS 3025: (Pt-43):1992	BLQ (<0.001)	mg/l	Max 0.001	Max 0.002

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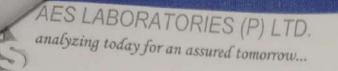
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Khasra No. 1053, Village Attrouli, Pilkhuwa

Ghaziabad, Delhi - 245304

Report No:

Report Date: Sample Received On:

11-240621-02 05/07/2021 24/06/2021

Sampled By:

AES Labs (SM 1.4)

Analysis Start Date : Analysis End Date:

24/06/2021 05/07/2021

Borewell Water, Sample collected near Auditorium Submersible Pump

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Drinking Water - Tests as per IS 10500:2012

## RESULTS

S.N	lo. Parameter	Test Method	Requite	11.0		
Ge 29 30 31 32 33 34 35 36 37	Sulphate (as SO4) Sulphate (as H2S) Alkalinity Total (as CaCO3) Total Hardness (as CaCO3) Selenium (as Se) Silver (as Ag) Zinc (as Zn) Barium (as Ba)		19.67 Nil 355.2* 435.12* BLQ (<0.005) BLQ (<0.05) BLQ (<0.05) 0.203	mg/l mg/l mg/l mg/l mg/l mg/l	Max 200 Max 0.05 Max 200 Max 200 Max 0.01 Max 0.1 Max 5	Max 400 No Relaxation Max 600 Max 600 No Relaxation No Relaxation Max 15
	Boron (as B)	IS 3025: (Pt-2):2004	BLQ (<0.05)	mg/l	Max 0.7 Max 0.5	No Relaxation Max 2.4

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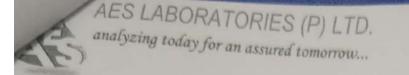
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Report No:

11-240621-02

Report Date:

05/07/2021

Sampled By:

Sample Received On: 24/06/2021

AES Labs (SM 1.4)

Page 5 of 7

Description:

Borewell Water, Sample collected near Auditorium

Submersible Pump

Analysis Start Date :

24/06/2021

Analysis End Date:

05/07/2021

Drinking Water - Tests as per IS 10500:2012

## RESULTS

S.No.	Parameter	Test Method	D 11			
Gener 38 C	ral Parameters Concerni	ng Substances Undesirable	Results	Units	Limit	Extended Limits
39 In 40 M 41 M 42 R	fanganese (as Mn) fagnesium (as Mg) residual free chlorine	IS 3025: (Pt-2):2004 IS 3025: (Pt-2):2004 IS 3025: (Pt-2):2004 APHA-3500 (B)	BLQ (<0.02) 0.078 0.023 46.67*	mg/l mg/l mg/l	Max 0.05 Max 1 Max 0.1 Max 30	Max 1.5 No Relaxation Max 0.3 Max 100
Organ 3 Co	Colour Colour	Nii	mg/l	Min 0.2	Min 1	
5 Ta	H value at 25°C siste dour	IS 3025: (Pt-4):1983 IS 3025: (Pt-11):1983 IS 3025: (Pt-8):1984 IS 3025: (Pt-6):1983	<1.0 7.82 Agreeable Agreeable	Hazen -	Max 5 6.5-8.5 Agreeable Agreeable	Max 15 No Relaxation Agreeable Agreeable

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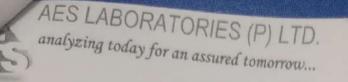
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Report Date:

05/07/2021

Sample Received On: Sampled By:

24/06/2021 AES Labs (SM 1.4)

Borewell Water, Sample collected near Auditorium Submersible Pump

Analysis Start Date :

24/06/2021

Analysis End Date:

05/07/2021

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Drinking Water - Tests as per IS 10500:2012

## RESULTS

S.No.	Parameter		0113			
_		Test Method	Results	Units	Limit	Extended
48	Turbidity Total Dissolved Solids ameters Concerning Toxic Cyanide (as CN) Cadmium (as Cd) Lead (as Pb) Mercury (as Hg) Molybedenum (as Mo) Nickel (as Ni)	IS 3025: (Pt-10):1984	<1.0 648* BLQ (<0.01) BLQ (<0.001) BLQ (<0.0005) BLQ (<0.001) BLQ (<0.01)	NTU mg/l mg/l mg/l mg/l mg/l	Max 1 Max 500 Max 0.05 Max 0.003 Max 0.001 Max 0.001 Max 0.007	Extended Limits  Max 5 Max 2000  No Relaxation No Relaxation No Relaxation No Relaxation No Relaxation
740	rsenic (as As)	IS 3025: (Pt-2):2004	BLQ (<0.01)	mg/l mg/l	Max 0.02 Max 0.01	No Relaxation No Relaxation

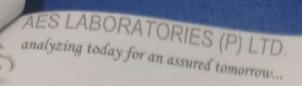
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Report No:

11-240621-02

Report Date: Sample Received On: 05/07/2021 24/06/2021

Sampled By:

AES Labs (SM 1.4)

Description:

Borewell Water, Sample collected near Auditorium

Analysis Start Date :

24/06/2021 05/07/2021

Analysis End Date:

Page 7 of 7

Drinking Water - Tests as per IS 10500:2012

#### RESULTS

s.No.	Parameter					
Paul		Test Method	Results	Units	Limit	Extended
6	meters Concerning Toxic S Chromium (as Cr)	Uhetanaa				Limits
57	Polychlorinated biphenyle (PCB)	IS 3025: (Pt-2):2004 AES/RES/SOP 5.0	BLQ (<0.01) BLQ (<0.00001)	mg/l	Max 0.05 Max 0.0005	No Relaxation
	Polynuclear aromatic hydrocarbons (PAH)	AES/RES/SOP 5.0	BLQ (<0.00001)		Max 0.0003	No relaxation
9 ,	imeters Concerning Radioa Alpha Emitters	ctive Substances				
60	Beta Emitters	IS 14194: (Pt-2):2007 IS 14194: (Pt-1):1994	<0.1	Bq/lit	Max 0.1	
		(61-1). 1894	<1.0	Bq/lit	Max 1	

Results marked with a \* do not meet the desirable limits but fall within extended limits. The water can be used in the absence of an alternate source.

The conformity decisions are based on guard banded acceptance limits calculated based on the expanded uncertainty of the result (Decision Rule LM 7.8.1). The decision has a confidence level of approximately 95 %, with an error probability of

Note(s):

BLQ means Below Limit of Quantification. The values enclosed in brackets are the limit of Quantification of the

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