



Advance Research & Analytical Services

1/8, South Side G. T. Road, Bulandshahr Industrial Area, Near Aditya Business Center
Lal Kuan, NH-24, Ghaziabad-201 009 (U.P.) INDIA
Mob. : 9654360431-433 E-mail : info@arasindia.com www.arasindia.com



TEST REPORT

Page : 1 of 3

Report No. : ARAS/FA/230504001	Date : 09/05/2023
Issued to : AVP International School	Your Reference : N.S.
Sindhoul G.T Road,	Date of Receipt : 04/05/2023
Aligarh.	ULR No. : TC515923000002092F
Uttar Pradesh	Test Started on : 04/05/2023
Kind Atten : *****	Test Completed on : 09/05/2023
Sampling Method : Sample drawn by ARAS.	Batch No. : N.S.
Sample Description : Drinking Water	MFG Date : N.S. Exp. N.S.
Sample Nature/ Name : Drinking Water	Sample Qty. : 10 ltrs.

Sl. No.	Parameter	Unit	Result	Req. as per IS:10500-2012 Acceptable/Permissible Limit.	Test Method
	Chemical Testing:	-	-	-	-
	Water:	-	-	-	-
1	Colour	Hazen	2	5/15 max.	IS:3025 (P-4)
2	Odour	-	Agreeable	Agreeable	IS:3025 (P-5)
3	Taste	-	Agreeable	Agreeable	IS:3025 (P- 7)
4	Turbidity	NTU	0.5	1/ 5 max.	IS:3025
5	pH (at 25 deg C)	-	6.57	6.5 - 8.5/No relaxation	IS:3025 (P-11)
6	Total Hardness	mg/ltr.	19.6	200/600 max.	IS 3025 (P-21)
7	Chloride (as Cl)	mg/ltr.	14.89	250/1000 max.	IS:3025 (P-32)
8	Free residual chlorine	mg/ltr.	BDL(DL- 0.1)	0.2/1 max.	IS:3025 (P-26)
9	Fluoride (as F)	mg/ltr.	BDL(DL- 0.1)	1 / 1.5 max	IS:3025 (P-60)
10	Total Dissolved Solids	mg/ltr.	76	500/2000 max	IS:3025 (P-16)
11	Sulphate (as SO ₄)	mg/ltr.	BDL(DL- 1)	200/400 max	IS:3025 (P-24)
12	Nitrate (as NO ₃)	mg/ltr.	BDL(DL- 0.3)	45 max / No relaxation	IS:3025 (P-34)
13	Total alkalinity as calcium carbonate	mg/ltr.	17.55	200 / 600 max.	IS 3025 (P-23)
	Residues In Water:	-	-	-	-
14	Cadmium (as Cd)	mg/ltr.	BDL(DL- 0.001)	0.003 max/No relaxation	IS:3025 (P-41)



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TC-5159

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Sl. No.	Parameter	Unit	Result	Req. as per IS:10500-2012 Acceptable/ Permissible Limit.	Test Method
15	Lead (as Pb)	mg/ltr.	BDL(DL- 0.005)	0.01 max/No relaxation	IS:3025 (P-47)
16	Nickel (as Ni)	mg/ltr.	BDL(DL- 0.01)	0.02 max/ No relaxation	IS:3025 (P-54)
17	Aluminium (as Al)	mg/ltr.	BDL(DL- 0.1)	0.03/0.2 max	IS:3025 (P-55)
18	Iron (as Fe)	mg/ltr.	BDL(DL- 0.05)	1.0 max./ No relaxation	IS:3025 (P-53)
19	Calcium (as Ca)	mg/ltr.	4.15	75/200 max	IS:3025 (P-40)
20	Barium (as Ba)	mg/ltr.	BDL(DL- 0.2)	0.7 max./No relaxation	IS:13428
21	Magnesium (as Mg)	mg/ltr.	2.34	30/100 max.	IS:3025 (P-46)
22	Copper (as Cu)	mg/ltr.	BDL(DL- 0.05)	0.05/1.5 max	IS:3025 (P-42)
23	Manganese (as Mn)	mg/ltr.	BDL(DL- 0.02)	0.1/0.3 max	IS:3025 (P-59)
24	Mercury (as Hg)	mg/ltr.	BDL(DL- 0.001)	0.001 max/ No relaxation	IS:3025 (P-48)
25	Selenium (as Se)	mcg/ltr.	BDL(DL- 0.005)	0.01 max / No relaxation	IS:15303
26	Total arsenic (as As)	mcg/ltr.	BDL(DL- 0.005)	0.01 max/No relaxation	IS:3025 (P-37)
27	Silver (as Ag)	mg/ltr.	BDL(DL- 0.005)	0.1 max./No relaxation	IS:13428
28	Zinc (as Zn)	mg/ltr.	BDL(DL- 0.05)	5/15 max	IS:3025 (P-49)
29	Total chromium (as Cr)	mg/ltr.	BDL(DL- 0.02)	0.05 max/ No relaxation	IS:3025 (P-52)
30	Boron (as B)	mg/ltr.	BDL(DL- 0.2)	0.5 / 2.4 max.	IS 3025 (P-57)
31	Molybdenum (as Mo)	mg/ltr.	BDL(DL- 0.01)	0.07 max./No relaxation	IS:3025 (P-2)
32	Aldrin/ Dieldrin	mcg/ltr.	BDL(DL- 0.01)	Max. 0.03	ARAS/WI/CH/93
33	Alpha BHC	mcg/ltr.	BDL(DL- 0.01)	Max. 0.01	ARAS/WI/CH/93
34	Beta BHC	mcg/ltr.	BDL(DL- 0.01)	Max. 0.04	ARAS/WI/CH/93
35	Chlorpyriphos	mcg/ltr.	BDL(DL- 0.1)	Max. 30	ARAS/WI/CH/93
36	Delta BHC	mcg/ltr.	BDL(DL- 0.01)	Max. 0.04	ARAS/WI/CH/93
37	DDT (o, p and p, p Isomers of	mcg/ltr.	BDL(DL- 0.01)	Max. 1	ARAS/WI/CH/93



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Page : 3 of 3

Sl. No.	Parameter	Unit	Result	Req. as per IS:10500-2012 Acceptable/Permissible Limit.	Test Method
37	DDT, DDE and DDD)				
38	Endosulfan (alpha, beta, and sulphate)	mcg/ltr.	BDL(DL- 0.01)	Max. 0.4	ARAS/WI/CH/93
39	Gamma HCH (Lindane)	mcg/ltr.	BDL(DL- 0.01)	Max. 2	ARAS/WI/CH/93
40	Malathion	mcg/ltr.	BDL(DL- 0.1)	Max. 190	ARAS/WI/CH/93
41	Methyl parathion	mcg/ltr.	BDL(DL- 0.1)	Max. 0.3	ARAS/WI/CH/93
	Biological Testing:	-	-	-	-
	Water:	-	-	-	-
42	E.coli	MPN/100ml	Not Detected	Absent	IS:1622
43	Coliform	MPN/100ml	Not Detected	Absent	IS:1622

Remarks : The submitted sample confirms to the requirements of IS:10500-2012 with respect to above specified test parameters only.

Detection Limit:-E.coli, Coliform - MPN Index/100ml.

BDL-Below Detection Limit, DL-Detection Limit.

*****End of Report*****

Ritu Mishra
Authorized Signatory

Checked By

Richa Mishra
Authorized Signatory



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Aligarh.	Our Reference : ARAS/F/230504001
Uttar Pradesh	Test Started on : 04/05/2023
Kind Atten : *****	Test Completed on : 09/05/2023
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Sample Description : Drinking Water	MFG Date : N.S. Exp. N.S.
Sample Nature/ Name : Drinking Water	Sample Qty. : 10 ltrs.

Sl. No.	Parameter	Unit	Result	Req. as per IS:10500-2012 Acceptable/Permissible Limit.	Test Method
	Chemical Testing:	-	-	-	-
	Water:	-	-	-	-
1	Phenolic compound (as C ₆ H ₅ OH)	mg/ltr.	BDL(DL- 0.001)	0.001/0.002 max	IS:3025 (P-43)
2	Cyanide (as CN)	mg/ltr.	BDL(DL- 0.01)	0.05 max/ No relaxation	IS:3025 (P-27)
3	Anionic detergents (as MBAS)	mg/ltr.	BDL(DL- 0.1)	0.2/1 max	IS:13428
4	Polynuclear aromatic hydrocarbons (as PAH)	mg/ltr.	BDL(DL- 0.0001)	0.0001 max./No relaxation	APHA 6440
5	Mineral oil	mg/ltr.	BDL(DL- 0.1)	1.0 max./No relaxation	IS 3025 (P-39)
6	Ammonia (as total ammonia-N)	mg/ltr.	BDL(DL- 0.2)	0.5 max./No relaxation	IS:3025 (P-34)
7	Sulphide (as H ₂ S)	mg/ltr.	BDL(DL- 0.02)	0.05 max./No relaxation	IS:3025 (P-29)
8	Polychlorinated Biphenyls	mg/ltr.	BDL(DL- 0.0005)	0.0005 max./No relaxation	APHA 6630
9	Chloramines (as Cl ₂)	mg/ltr.	BDL(DL- 1)	4 max./No relaxation	IS:3025 (P-26)
10	Bromoform	mg/ltr.	BDL(DL- 0.01)	0.1 max./No relaxation	APHA 6232
11	Dibromochloromethane	mg/ltr.	BDL(DL- 0.01)	0.1 max./No relaxation	APHA 6232



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12	Bromodichloromethane	mg/ltr.	BDL(DL- 0.01)	0.06 max./No relaxation	APHA 6232
13	Chloroform	mg/ltr.	BDL(DL- 0.1)	0.2 max./No relaxation	APHA 6232
14	Alachlor	mcg/ltr.	BDL(DL- 1)	Max. 20	ARAS/WI/CH/93
15	Atrazine	mcg/ltr.	BDL(DL- 0.1)	Max. 2	ARAS/WI/CH/93
16	Butachlor	mcg/ltr.	BDL(DL- 2)	Max. 125	ARAS/WI/CH/93
17	2,4- Dichlorophenoxyacetic acid	mcg/ltr.	BDL(DL- 1)	Max. 30	ARAS/WI/CH/93
18	Ethion	mcg/ltr.	BDL(DL- 1)	Max. 3	ARAS/WI/CH/93
19	Isoproturon	mcg/ltr.	BDL(DL- 1)	Max. 9	ARAS/WI/CH/93
20	Monocrotophos	mcg/ltr.	BDL(DL- 0.1)	Max. 1	ARAS/WI/CH/93
21	Phorate	mcg/ltr.	BDL(DL- 0.1)	Max. 2	ARAS/WI/CH/93

Remarks : The submitted sample confirms to the requirements of IS:10500-2012 with respect to above specified test parameters only.

BDL-Below Detection Limit, DL-Detection Limit.

*****End of Report*****

Checked By

