

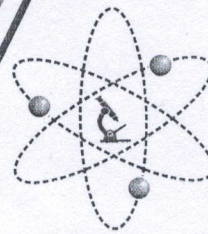
APEX TESTING AND RESEARCH LABORATORY

9/50, Kirti Nagar, Industrial Area, New Delhi-110015

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APEX LAB



TC-8463

TEST REPORT

Issued To	: M/s. Bhai Joga Singh Public School : D-4 Faiz Road Karol Bagh New Delhi 110005	ULR No	: TC846324000012929F
		Date Of Receipt	: 11.04.2024
Nature of the Sample	: Drinking Water	Date of Issue	: 19.04.2024
Customer Ref. No	: N.S	Test Started On	: 11.04.2024
Brand Name	: N.S	Test Completed on	: 19.04.2024
Sampling Method	: ATRL/CHEM/SOP/001	Sample Quantity	: 10 Liter + Sterilized Bottle
Sample drawn by/Picked by	: Our Lab Representative Mr. Kamal	Sample Pkg.	: Gallon
Group	: Water And Its Residue	Source Of Water	: Ground
Discipline	: Biological & Chemical	Any Other Information	: N.S
Sampling Location No	: D-4 Faiz Road Karol Bagh New Delhi 110005		

S. No.	Test Parameters	Units of Measurements	Results	Requirement (IS: 10500-2012)		Method Reference
				Acceptable Limits	Permissible Limits	
Organoleptic and Physical Parameters						
1	pH value	--	7.14	6.5-8.5	No Relaxation	IS:3025(P-11)-2022
2	Colour	HU	<5	5 max	15 max	IS:3025(P-4)-2021
3	Odour	--	Agreeable	Agreeable	Agreeable	IS:3025(P-5)-2018
4	Taste	--	Agreeable	Agreeable	Agreeable	IS:3025(P-7&8)-1984 RA 2017
5	Turbidity	NTU	<1	1 max	5 max	IS:3025(P-10)-1984 RA 2017
6	Total Dissolved Solids (TDS)	mg/l	150	500 max	2000 max	IS:3025(P-16)-2023
General Parameters concerning Substances undesirable in excessive amounts						
1.	Calcium(as Ca)	mg/l	20	75 max	200 max	IS:3025(P-40)-1991, RA 2019
2.	Chlorides(as Cl)	mg/l	21	250 max	1000 max	IS:3025(P-32)-1988, RA 2019
3.	Fluoride(as F)	mg/l	ND(DL-0.1)	1 max	1.5 max	APHA 23 Ed. 4500F
4.	Iron(as Fe)	mg/l	ND(DL-0.1)	1.0 max	No Relaxation	IS:3025(P-53)-2003, RA 2019
5.	Magnesium (as Mg)	mg/l	10	30 max	100 max	IS:3025(P-46)-1994, RA 2019
6.	Sulphate(as SO4)	mg/l	10	200 max	400 max	IS:3025(P-24)-Sec 1:2022
7.	Total Hardness(as CaCO3)	mg/l	92	200 max	600 max	IS:3025(P-21)-2009, RA 2019

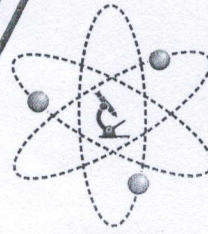
Reviewed By

Authorized Signatory

Principal
Bhai Joga Singh Public School
**D-4 Faiz Road Karol Bagh
New Delhi 110005

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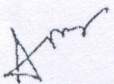


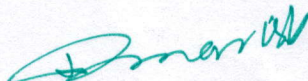
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Sample Name : Drinking Water						
S. No	Test Parameters	Units of Measurements	Results	Requirement (IS: 10500-2012)		Method Reference
8	Aluminium (as Al)	mg/l	ND (DL- 0.02)	0.03 max	0.2 max	IS:3025(P-55)-2003 RA 2019
9	Boron(as B)	mg/l	ND (DL- 0.1)	0.5 max	2.4 max	IS:3025(P-57)-2021
10	Free Residual Chlorine(as Cl2)*	mg/l	ND (DL- 0.15)	0.2 min	1.0 min	IS:3025(P-26)-2021
11	Mineral Oil	mg/l	ND (DL- 0.1)	0.2 min	No Relaxation	APHA 23 rd Ed.
12	Nitrate(as NO3)	mg/l	ND (DL- 0.1)	45 Max	No Relaxation	IS:3025(P-34)-1988, RA 2019
13	Phenolic compounds(as C6H5OH)	mg/l	ND (DL- 0.001)	0.001 max	0.002 max	APHA 23 rd Ed.
14	Sulphide(as H2S)	mg/l	ND (DL- 0.05)	0.05 max	No Relaxation	IS:3025(P-29)-1986, RA 2019
15	Total Alkalinity (as CaCO3)	mg/l	70	200 max	600 max	IS:3025(P-23)-1986, RA 2019
Micro Biological Parameters						
1	Coliform	MPN/100ml	Absent	Absent	-	IS:1622:1981, RA 2019
2	E.Coli	MPN/100ml	Absent	Absent	-	IS:1622:1981, RA 2019

Remark: The sample conforms to IS: 10500-2012 for given parameters in the above respect only.
 ND : Not Detected , DL : Detection Limit

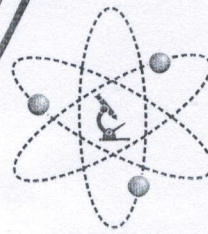

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Sample Name: Drinking Water

General Parameters concerning Substances undesirable in excessive amounts

1	Ammonia (as N)	mg/l	ND(DL-0.1)	0.5 max	No Relaxation	IS:3025(P-34)-1988 RA 2019
2	Anionic Detergents (as MBAS)	mg/l	ND(DL-0.1)	0.2 max	1.0 max	IS:13428-2005
3	Barium(as Ba)	mg/l	BLQ[LOQ-0.01]	0.7 max	No Relaxation	APHA 23 Ed. 4500
4	Chloramines(as Cl ₂)	mg/l	ND(DL-1.0)	4.0 max	No Relaxation	APHA 23 Ed
5	Copper(as Cu)	mg/l	BLQ[LOQ-0.01]	0.05 max	1.5 max	IS:3025(P-2)-2019
6	Manganese (as Mn)	mg/l	BLQ[LOQ-0.01]	0.1 max	0.3 max	IS:3025(P-54)-2003, RA 2019
7	Selenium(as Se)	mg/l	BLQ[LOQ-0.01]	0.01 max	No Relaxation	IS:3025(P-2)-2019
8	Silver(as Ag)	mg/l	BLQ[LOQ-0.01]	0.1 max	No Relaxation	APHA 23 ED.
9	Zinc(as Zn)	mg/l	BLQ[LOQ-0.01]	5.0 max	15 max	IS:3025(P-49)-1994, RA 2019
TOXIC PARAMETERS						
1	Cadmium (as Cd)	mg/l	BLQ[LOQ-0.01]	0.003 max	No Relaxation	IS:3025(P-2)-2019
2	Cyanide (as CN)	mg/l	BLQ[LOQ-0.01]	0.05 max	No Relaxation	IS:3025(P-27)-1986 RA-2019
3	Lead (as Pb)	mg/l	BLQ[LOQ-0.01]	0.01 max	No Relaxation	IS:3025(P-2)-2019
4	Mercury (as Hg)	mg/l	BLQ[LOQ-0.001]	0.001 max	No Relaxation	IS:3025(P-2)-2019
5	Molybdenum (as Mo)	mg/l	BLQ[LOQ-0.01]	0.07 max	No Relaxation	IS:3025(P-2)-2019
6	Nickel (as Ni)	mg/l	BLQ[LOQ-0.01]	0.02 max	No Relaxation	IS:3025(P-2)-2019
7	Pesticides and Residue					
(i)	Alachlor	µg/l	BLQ[LOQ-0.01]	20 max	No Relaxation	AOAC 20th Ed. 2016
(ii)	α-HCH	µg/l	BLQ[LOQ-0.01]	0.01 max	No Relaxation	
(iii)	β-HCH	µg/l	BLQ[LOQ-0.01]	0.04 max	No Relaxation	
(iv)	γ-HCH	µg/l	BLQ[LOQ-0.01]	2 max	No Relaxation	
(v)	δ-HCH	µg/l	BLQ[LOQ-0.01]	0.04 max	No Relaxation	
(vi)	DDT(o,p and p,p-Isomers of DDT,DDE and DDD)					
(a)	o,p DDD	µg/l	BLQ[LOQ-0.01]	1 max	No Relaxation	
(b)	p,p DDD	µg/l	BLQ[LOQ-0.01]			
(c)	o,p DDE	µg/l	BLQ[LOQ-0.01]			
(d)	p,p DDE	µg/l	BLQ[LOQ-0.01]			

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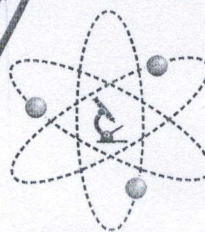
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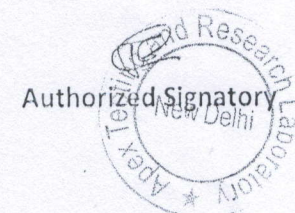


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Sample Name: Drinking Water							
(e)	o,p DDT	µg/l	BLQ[LOQ-0.01]			AOAC 20th Ed. 2016	
(f)	p,p DDT	µg/l	BLQ[LOQ-0.01]			AOAC 20th Ed. 2016	
(vii)	Endosulfan						
(a)	Endosulfan-α	µg/l	BLQ[LOQ-0.01]	0.4 max	No Relaxation	AOAC 20th Ed. 2016	
(b)	Endosulfan-β	µg/l	BLQ[LOQ-0.01]			AOAC 20th Ed. 2016	
(c)	Endosulfan-Sulphate	µg/l	BLQ[LOQ-0.01]			AOAC 20th Ed. 2016	
(viii)	Butachlor	µg/l	BLQ[LOQ-0.01]	125 max		AOAC 20th Ed. 2016	
(ix)	Monocrotophos	µg/l	BLQ[LOQ-0.01]	1 max		AOAC 20th Ed. 2016	
(x)	Chlorpyrifos	µg/l	BLQ[LOQ-0.01]	30 max		AOAC 20th Ed. 2016	
(xi)	Phorate	µg/l	BLQ[LOQ-0.01]	4 max		AOAC 20th Ed. 2016	
(xii)	2,4-Dichlorophenoxy- acetic acid	µg/l	BLQ[LOQ-0.01]	30 max		AOAC 20th Ed. 2016	
(xiii)	Methyl parathion	µg/l	BLQ[LOQ-0.01]	0.3 max		AOAC 20th Ed. 2016	
(xiv)	Malathion	µg/l	BLQ[LOQ-0.01]	190 max		AOAC 20th Ed. 2016	
(xv)	Aldrin	µg/l	BLQ[LOQ-0.01]	0.03 max		AOAC 20th Ed. 2016	
(xvi)	Dieldrin	µg/l	BLQ[LOQ-0.01]	0.03 max		AOAC 20th Ed. 2016	
(xv)	Isoproturon	µg/l	BLQ[LOQ-0.01]	9 max		AOAC 20th Ed. 2016	
(xvi)	Ethion	µg/l	BLQ[LOQ-0.01]	3 max		AOAC 20th Ed. 2016	
(xvii)	Atrazine	µg/l	BLQ[LOQ-0.01]	2 max		AOAC 20th Ed. 2016	
8	Polychlorinated biphenyls	mg/l	BLQ[LOQ-0.00005]	0.0005 max		No Relaxation	APHA 23 Ed.
9	Poly aromatic hydrocarbons (as PAH)	mg/l	BLQ[LOQ-0.00001]	0.0001 max		No Relaxation	APHA 23 Ed
10	Total Arsenic (as As)	mg/l	BLQ[LOQ-0.01]	0.01 max	0.05 max	IS:3025(P-37)-2022	
11	Chromium (as Cr)	mg/l	BLQ[LOQ-0.01]	0.05 max	No Relaxation	IS:3025(P-52)-2003 [RA-2019]	
12	Trihalomethanes						
(a)	Bromoform	mg/l	BLQ[LOQ-0.01]	0.1 max	No Relaxation	APHA 23 Ed.	
(b)	Dibromo dichloromethane	mg/l	BLQ[LOQ-0.01]	0.1 max			
(c)	Bromo dichloromethane	mg/l	BLQ[LOQ-0.01]	0.06 max			
(d)	Chloroform	mg/l	BLQ[LOQ-0.01]	0.2 max			

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END OF REPORT