



Sophisticated Industrial Materials Analytic Labs. Pvt. Ltd.

AN ISO 9001 CERTIFIED, MoEF & BIS RECOGNISED GOVT. APPROVED TEST HOUSE

TEST REPORT

5.10 F-01

PARTY CODE : A/PB/142

REPORT NO. : SS07/002115

SUB. BY : AGI INFRA LTD.
66 FT. ROAD. VILLAGE PHOLRIWAL, JALANDHAR

SAMPLE : DRINKING WATER

Ref No. : NS
DT Recd : 06-07-2015

RESULTS OF ANALYSIS Reference : IS:10500-2012

Description : One Drinking Water sample was collected by us on 04/07/2015.

PARAMETERS	Results	Acceptable (Limits : IS:10500-2012) (Max.)	Permissible (Limits : IS:10500-2012) (Max.)	Protocols -IS:3025-
01. Colour	: Colourless	5 Hazen	15 Hazen	(P-4)
02. Odour	: Agreeable	Agreeable	Agreeable	(P-5)
03. Taste	: Agreeable	Agreeable	Agreeable	(P-7 & P-8)
04. Turbidity	: <0.1 NTU	1 NTU	5 NTU	(P-10)
05. pH	: 7.87	6.5 to 8.5	No Relaxation	(P-11)
06. Total Dissolved Solids	: 326 mg/L	500 mg/L	2000 mg/L	(P-16)
07. Total Hardness (as CaCO ₃)	: 144 mg/L	200 mg/L	600 mg/L	(P-21)
08. Calcium (as Ca)	: 41 mg/L	75 mg/L	200 mg/L	(P-40)
09. Magnesium (as Mg)	: 10 mg/L	30 mg/L	100 mg/L	(P-46)
10. Chloride (as Cl)	: 12 mg/L	250 mg/L	1000 mg/L	(P-32)
11. Sulphate (as SO ₄)	: 5 mg/L	200 mg/L	400 mg/L	(P-24)
12. Iron (as Fe)	: 0.025 mg/L	0.3 mg/L	No Relaxation	(P-53/P-2)
13. Residual Free Chlorine (as Cl ₂)	: Not Detectable	0.2 mg/L	1.0 mg/L	(P-26)
14. Copper (as Cu)	: Not Detectable	0.05 mg/L	1.5 mg/L	(P-2)
15. Manganese (as Mn)	: Not Detectable	0.1 mg/L	0.3 mg/L	(P-2)
16. Nitrate (as NO ₃)	: Not Detectable	45 mg/L	No Relaxation	(P-34)
17. Fluoride (as F)	: Not Detectable	1.0 mg/L	1.5 mg/L	(P-60)
18. Phenolic Compound (as C ₆ H ₅ OH)	: Not Detectable	0.001 mg/L	0.002 mg/L	(P-43)
19. Mercury (as Hg)	: Not Detectable	0.001 mg/L	No Relaxation	(P-2)
20. Cadmium (as Cd)	: Not Detectable	0.003 mg/L	No Relaxation	(P-2)
21. Selenium (as Se)	: Not Detectable	0.01 mg/L	No Relaxation	(P-2)
22. Arsenic (as As)	: Not Detectable	0.01 mg/L	0.05 mg/L	(P-2)
23. Cyanide (as CN)	: Not Detectable	0.05 mg/L	No Relaxation	(P-27)
24. Lead (as Pb)	: 0.007 mg/L	0.01 mg/L	No Relaxation	(P-2)
25. Zinc (as Zn)	: Not Detectable	5 mg/L	15 mg/L	(P-2)
26. Total Chromium (as Cr)	: Not Detectable	0.05 mg/L	No Relaxation	(P-2)
27. Anionic Detergents (as MBAS)	: Not Detectable	0.02 mg/L	1.0 mg/L	Annex. K of IS:13428
28. Total Alkalinity (as CaCO ₃)	: 196 mg/L	200 mg/L	600 mg/L	(P-23)
29. Aluminium (as Al)	: Not Detectable	0.03 mg/L	0.2 mg/L	(P-2)
30. Boron (as B)	: Not Detectable	0.5 mg/L	1.0 mg/L	(P-2)
31. Mineral Oil	: Not Detectable	0.5 mg/L	No Relaxation	Cl-5 of (P-39)
32. Barium (as Ba)	: 0.334 mg/L	0.7 mg/L	No Relaxation	(P-2)

Contd. on Page no-2.

PERSON IN CHARGE

ANALYST

DATE 11-07-2015

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- NOTE: 1. Results listed refer only to the tested sample & applicable parameters. Endorsement of products is neither inferred nor implied.
2. Liability of laboratory is limited to the invoiced amount only. Any dispute arising out of this report shall be subject to Delhi jurisdiction only
3. The Report shall not be reproduced either in full or part without the written approval of laboratory.
4. Sample shall be disposed off after issue of Test Report unless specified.

NOT VALID FOR CONSENT PURPOSE



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33.	Chloramines (as Cl ₂)	: Not Detectable	4.0 mg/L	No Relaxation (P-26)
34.	Silver (as Ag)	: Not Detectable	0.1 mg/L	No Relaxation (P-2)
35.	Sulphides (as H ₂ S)	: Not Detectable	0.05 mg/L	No Relaxation (P-29)
36.	Molybdenum (as MO)	: Not Detectable	0.07 mg/L	No Relaxation (P-2)
37.	Nickel (as Ni)	: Not Detectable	0.02 mg/L	No Relaxation (P-2)
38.	Ammonia (as Total Ammonia-N)	: Not Detectable	0.5 mg/L	No Relaxation (P-34)
39.	E.coli	: Absent/100 ml	Absent/100 ml	Absent/100 ml IS:1622
40.	Total Coliform (By MPN Method)	: Not Detectable/ 100ml		Not Detectable/ 100ml IS:1622

Opinion : The Chemical & Bacteriological analysis indicates that the sample received (Conforms) to the IS:10500-2012 specification (Acceptable Limits), wrt above tests only.
Detection Limits (mg/L) : RCl₂ = 0.05, Cu = 0.01, Mn = 0.005, NO₃ = 0.05, Fluoride = 0.05, C₆H₅OH = 0.01, Hg = 0.0002, Cd = 0.002, Se = 0.002, As = 0.005, CN = 0.02, Zn = 0.1, MBAS = 0.05, Cr = 0.005, Al = 0.005, B = 0.1, M.Oil = 0.01, Cl₂ = 0.05, Ag = 0.002, H₂S = 0.02, MO = 0.01, Ni = 0.005, Ammonia = 0.01, Total Coliform = <2/100 ml
Date of performance : 06/07/15 to 11/07/15

SAMPLE COLLECTED BY US

PERSON IN CHARGE

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