



N.D. INTERNATIONAL

GOVERNMENT REGISTERED

An ISO 9001 : 2008 Company • Certificate No. : QCSMPL/Q/J/0043



TEST REPORT

Certificate No. : J(S)-(NN)14-15/750

Date: 30.07.2014

SAMPLE SUBMITTED BY PARTY :

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Name of Customer : **M/s. Puro Appliances Pvt Ltd.**
 Address : 192, Old China Bazar, Kolkata-700 001.
 Your Ref No. : Nil
 Description of Sample : **Water**
 Mark on Sample : **Raw Ganga water.**
 Sample Received On : 26.07.2014
 Analysis Completed on : 30.07.2014

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 RA2009	MPN	Not Detectable	Not Detectable
2	E. coli/100 ml	IS: 1622:1981 RA2009	-	Not Detectable	Not Detectable

B. Physical Test Findings :

1. Colour- Colourless 2. Appearance - Turbid 3. Odour- Agreeable.

C. Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS 10500:2012	
					AL(Max.)	PL(Max.)
1	Turbidity	APHA 22nd Edn, 2130-B	NTU	353	1.0	5.0
2	pH value	APHA 22nd Edn, 4500 H ⁺ B	---	7.50	6.5 - 8.5	No Relaxation
3	Total Hardness as CaCO ₃	APHA 22nd Edn, 2340-C	mg/L	96.00	200	600
	a) Temporary Hardness	---	mg/L	76.00	---	---
	b) Permanent Hardness	---	mg/L	20.00	---	---
4	Sulfate as SO ₄	APHA 22nd Edn, 4500- SO ₄ ²⁻ E	mg/L	26.78	200	400
5	Chloride as Cl	APHA 22nd Edn, 4500 Cl-B	mg/L	7.83	250	1000
6	Total Dissolved Solids	APHA 22nd Edn, 2540-C	mg/L	140.00	500	2000
7	Alkalinity as CaCO ₃	APHA 22nd Edn, 2320-B	mg/L	76.00	200	600
8	Iron as Fe	APHA 22nd Edn, 3500- Fe B	mg/L	8.42	0.30	No Relaxation
9	Calcium as Ca	APHA 22nd Edn, 3500- Ca B	mg/L	24.00	75	200
10	Magnesium as Mg	APHA 22nd Edn, 3500- Mg B	mg/L	8.75	30	100

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

Remarks : Bacteriologically: Sample complies with IS 10500 : 2012 for the above tested parameters.
 Chemically : Unsatisfactory due to high Turbidity and Iron content.

For N.D. International
Sourabh Halder
 For Biological Discipline
 Authorized signatory

For N.D. International
K.P.De.
 Quality Manager
 For Chemical Discipline
 Authorized Signatory

End of Test Report

- 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.

SM:II