



GEO-CHEM LABORATORIES PVT. LTD.

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International  
Independent Inspection  
&  
Testing Company

**TEST CERTIFICATE**

ANALYSIS NO. : MISC/10/05/001420  
DATE : 20/05/2010

PARTY'S NAME & ADDRESS : WATER MAKER (I) PVT. LTD.  
ANDHERI (E), MUMBAI.  
REF. NO. AND DATE : LETTER DATED 05/05/2010  
SAMPLE RECEIVED ON : 06/05/2010  
DATE OF ANALYSIS : 07/05/2010 - 19/05/2010  
SAMPLE DESCRIBED AS : WATER  
TESTED TO SPECIFICATION : IS-10500-1991 WITH AMENDMENT NO. 2 (SEPTEMBER 2003)  
FOR DRINKING WATER  
STAMPED BY/SEAL : SAMPLE DRAWN AND SEALED BY MR. RAJARAM MORE OF  
GEO-CHEM LABORATORIES (P) LTD. ON 05/05/2010. SEAL NO.522307,522308.  
ID MARK : WM-1000  
PLACE OF SAMPLE DRAWN : WATER MAKER MACHINE (TEST ROOM)

**ESSENTIAL CHARACTERISTICS :**

<u>SR. NO.</u>	<u>PARAMETERS</u>	<u>METHOD</u>	<u>RESULTS</u>	<u>UNIT OF MEASURE</u>	<u>REQUIREMENT DESIRABLE LIMIT</u>
1.	Colour (True colour)	IS-3025-PART4-1983	<1.0	Hazen unit	5
2.	Odour	IS-3025-PART5-1983	Agreeable	-	Unobjectionable
3.	Taste	IS-3025-PART8-1984	Agreeable (Rating Scale 'c')	-	Agreeable
4.	Turbidity	IS-3025-PART10-1984	0.9	NTU	5.0
5.	pH value	IS-3025-PART11-1983	6.90	-	6.5 to 8.5
6.	Total Hardness (as CaCO <sub>3</sub> )	IS-3025-PART21-1983	12.7	mg/l	300
7.	Iron (as Fe)	IS-3025-PART 2-2004	<0.010	mg/l	0.3
8.	Chloride (Cl)	IS-3025-PART32-1988	3.7	mg/l	250
9.	Residual free Chlorine	APHA-4500 Cl <sub>2</sub> F	<0.01	mg/l	0.2

**DESIRABLE CHARACTERISTICS :**

10.	Dissolved Solids	IS-3025-PART16-1984	76.0	mg/l	500
11.	Calcium(as Ca)	IS-3025-PART 2-2004	1.67	mg/l	75
12.	Magnesium (as Mg)	IS-3025-PART 2-2004	0.55	mg/l	30
13.	Copper(as Cu)	IS-3025-PART 2-2004	<0.010	mg/l	0.05
14.	Manganese(as Mn)	IS-3025-PART 2-2004	<0.010	mg/l	0.1
15.	Sulphate(as SO <sub>4</sub> )	IS-3025-PART24-1986	<1.0	mg/l	200
16.	Nitrate(as NO <sub>3</sub> )	IS-3025-PART34-1988	<1.0	mg/l	45
17.	Fluoride(as F)	IS-3025-CL.23-1964	<0.1	mg/l	1.0
18.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS-3025-PART43-1992	<0.001	mg/l	0.001
19.	Mercury (as Hg)	IS-3025-PART 2-2004	<0.001	mg/l	0.001
20.	Cadmium (as Cd)	IS-3025-PART 2-2004	<0.005	mg/l	0.01
21.	Selenium (as Se)	IS-3025-PART 2-2004	<0.010	mg/l	0.01
22.	Arsenic (as As)	IS-3025-PART 2-2004	<0.005	mg/l	0.05
23.	Cyanide (as CN)	IS-3025-PART 27-1986	<0.02	mg/l	0.05
24.	Lead (as Pb)	IS-3025-PART 2-2004	<0.010	mg/l	0.05

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PROFORMA NO. GCLPL/QF/5.10/09

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1. Test Results related only to the sample (s) tested.

2. Test certificate in full or part shall not be reproduced unless written permission is obtained from M/s. Geo-Chem Laboratories (P) Ltd.

This inspection / testing has been performed to the best of our ability and our responsibility is limited to proven negligence. This certificate, which is issued on conditions stipulated overleaf, reflects our findings at the time and place of inspection / testing and does not relieve parties from their contractual obligations. Samples will be retained by us for a period of thirty days only, unless specific instructions to the contrary are received.





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25.	Zinc (as Zn)	IS-3025-PART 2-2004	<0.010	mg/l	5.0
26.	Chromium (as Cr6+)	IS-3025-PART 2-2004	<0.010	mg/l	0.05
27.	Mineral Oil	IS-3025-PART39-1991	<0.01	mg/l	0.01
28.	Alkalinity (as CaCO3)	IS-3025-PART23-1986	8.7	mg/l	200
29.	Aluminium (as Al)	IS-3025-PART 2-2004	<0.010	mg/l	0.03
30.	Boron (as B)	IS-3025-PART 2-2004	0.014	mg/l	1.0
31.	Anionic Detergent (as MBAS)	IS-13428 ANNEX.K-2005	<0.1	mg/l	0.2
32.	Polynuclear Aromatic Hydrocarbons (PAH)	GCLPL/QS/RAD/5.4/11 (GCMS)	N.D.	mg/L	Not detectable

**MICROBIOLOGICAL PARAMETERS :**

33.	COLIFORM BACTERIA MPN INDEX/100ML	IS-1622-1981	<2	-	<10
34.	FAECAL COLIFORM/ MPN INDEX/100ML	IS-1622-1981	ABSENT	-	ABSENT
35.	E. COLI / MPN INDEX/ 100ML	IS-1622-1981	ABSENT	-	ABSENT

REMARKS : SAMPLE CONFORMS TO IS-10500-1991 WITH AMENDMENT NO. 2 (SEPTEMBER 2003) FOR DRINKING WATER SPECIFICATION WITH RESPECT TO THE TESTS CARRIED OUT.

- NOTE : 1) OUR ANALYTICAL FINDINGS REFLECT THE QUALITY OF THE SAMPLE AT THE TIME OF TESTING. NO RESPONSIBILITY CAN BE EXPECTED FOR THE POSSIBLE CONSEQUENCES OF FURTHER DEVELOPMENT OF MICRO-ORGANISMS WHICH MAY DEPEND UPON STORAGE, HANDLING AND WEATHER CONDITIONS WHICH MAY INFLUENCE THE RESULTS AT A LATER DATE/TIME.
- 2) N.D. : NOT DETECTED, DETECTION LIMIT : 0.0001 mg/l FOR PAH.

For GEO - CHEM LABORATORIES (P) LTD.

*Priya Navalkar*  
 PRIYA NAVALKAR  
 MANAGER  
 INORGANIC (INSTRUMENTS)

*Rajesh R Nair*  
 RAJESH R NAIR  
 MANAGER-RESIDUAL ANALYSIS DIV.

*Sheetal Patil*  
 SHEETAL PATIL  
 MICROBIOLOGIST

**ANALYSIS NO. MISC/10/05/001420 DATED 20/05/2010**

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