



GEO-CHEM LABORATORIES PVT. LTD.
 36, Raja Industrial Estate,
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International
 Independent Inspection
 &
 Testing Company



TEST CERTIFICATE

ANALYSIS NO. : MISC/09/12/009824
 DATE : 28/12/2009

PARTY'S NAME & ADDRESS : MAXCOOL TECHNOLOGIES (I) PVT. LTD.
 PAWANE, NAVI MUMBAI.

REF. NO. AND DATE : LETTER DATED 09/12/2009
 SAMPLE RECEIVED ON : 09/12/2009
 DATE OF ANALYSIS : 09/12/2009 - 26/12/2009
 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 GEO-CHEM LABORATORIES (P) LTD.
 ON 09/12/2009. SEAL NO. GEO-CHEM 349476, GEO-CHEM 349464

ID MARK : SAMPLE NO. MS-02
 MAGIC S WATER AFTER DISPENSING 50 (ITS THROUGH FILTER)

ESSENTIAL CHARACTERISTICS :

SR. NO.	PARAMETERS	METHOD	RESULTS	UNIT OF MEASURE	REQUIREMENT DESIRABLE LIMIT
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	-	Agreeable
			(Rating Scale 'c')		
4.	Turbidity	IS-3025-PART10-1984	0.2	NTU	5.0
5.	pH value	IS-3025-PART11-1983	7.05	-	6.5 to 8.5
6.	Total Hardness (as CaCO ₃)	IS-3025-PART21-1983	48.8	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	2.6	mg/l	250
9.	Residual free Chlorine	APHA-4500 Cl ⁻ F	<0.01	mg/l	0.2

DESIRABLE CHARACTERISTICS :

10.	Dissolved Solids	IS-3025-PART16-1984	73.0	mg/l	500
11.	Calcium(as Ca)	IS-3025-PART 2-2004	8.50	mg/l	75
12.	Magnesium (as Mg)	IS-3025-PART 2-2004	0.58	mg/l	30
13.	Copper(as Cu)	IS-3025-PART 2-2004	0.013	mg/l	0.05
14.	Manganese(as Mn)	IS-3025-PART 2-2004	0.041	mg/l	0.1
15.	Sulphate(as SO ₄)	IS-3025-PART24-1986	12.8	mg/l	200
16.	Nitrate(as NO ₃)	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 ₆ H ₅ 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

ANALYSIS NO. MISC/09/12/009824 DATED 28/12/2009
 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 hereof, 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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SR. NO.	PARAMETERS	METHOD	RESULTS	UNIT OF MEASURE	REQUIREMENT DESIRABLE LIMIT
25.	Zinc (as Zn)	IS-3025-PART 2-2004	0.045	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 CaCO ₃)	IS-3025-PART23-1986	22.9	mg/l	200
29.	Aluminium (as Al)	IS-3025-PART 2-2004	0.021	mg/l	0.03
30.	Boron (as B)	IS-3025-PART 2-2004	0.11	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
 MANAGER
 INORGANIC (INSTRUMENTS)

for RAJESH R NAIR
 MANAGER-RESIDUAL ANALYSIS DIV.

SHEETAL PATIL
 MICROBIOLOGIST

ANALYSIS NO. MISC/09/12/009824 DATED 28/12/2009

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