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WATER | FOOD | MICROBIOLOGY | ENVIRONMENTAL | CONSULTANCY | CO. NO. 392059-X

TEST CERTIFICATE

REG. NO. : PLW-005499-00010953-15 (1)

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COMPANY NAME : BUILDERS HARDWARE ENTERPRISE

LAM KAH CHEN
CHEMIST
(A.M.I.C.)

ATTENTION TO : MR LIM ZEAN TAT

SAMPLE DESCRIPTION : One (1) no. of Drinking Water Sample

SAMPLE CONTAINERS : 2L plastic bottle, 500mL plastic bottle preserved with Sulphuric Acid, 250mL plastic bottle preserved with Nitric Acid, 500mL glass bottle preserved with Hydrochloric Acid, 100mL sterilized glass bottle preserved with Sodium Thiosulphate, 100mL sterilized glass bottle, 1L glass bottle preserved with Ascorbic Acid

SAMPLE MARKING : Aquaphor Crystal Eco

SAMPLING DATE : 30 June 2015

RECEIVED DATE : 30 June 2015

REPORTED DATE : 09 July 2015

On analysis of the sample(s) submitted, the result(s) obtained as follows:

NO	PARAMETER	METHOD REF. NO.	UNIT	RESULT	DRINKING WATER QUALITY STANDARDS
1	pH @ 25°C	APHA 4500-H B	-	7.60	6.5 - 9.0
2	TURBIDITY	APHA 2130B	NTU	0.5	5
3	COLOUR	APHA 2120B	TCU	ND (<5)	15
4	FREE CHLORINE as Cl ₂	APHA 4500-Cl G	mg/L	ND (<0.01)	0.2-5.0
5	COMBINE CHLORINE as Cl ₂	APHA 4500-Cl G	mg/L	0.01	>1
6	TOTAL DISSOLVED SOLIDS	APHA 2540C	mg/L	81	1000
7	CHLORIDE as Cl	APHA - 4110B	mg/L	11.9	250
8	AMMONIACAL NITROGEN as N	APHA 4500-NH ₃ B&F	mg/L	ND (<0.02)	1.5
9	NITRATE NITROGEN as N*	APHA - 4110B	mg/L	1.03	10
10	IRON as Fe	APHA - 3120B	mg/L	0.096	0.3
11	FLUORIDE as F	APHA - 4110B	mg/L	0.554	0.4-0.6
12	TOTAL HARDNESS as CaCO ₃	APHA 2340C	mg/L	45	500
13	ALUMINIUM as Al	APHA - 3120B	mg/L	0.070	0.2
14	MANGANESE as Mn	APHA - 3120B	mg/L	0.005	0.1
15	MERCURY as Hg	APHA 3112B	mg/L	ND (<0.0008)	0.001

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NO	PARAMETER	METHOD REF. NO.	UNIT	RESULT	DRINKING WATER QUALITY STANDARDS
16	CADMIUM as Cd	APHA - 3120B	mg/L	ND (<0.002)	0.003
17	SELENIUM as Se	APHA - 3120B	mg/L	ND (<0.010)	0.01
18	ARSENIC as As	In-house No.W68	mg/L	ND (<0.001)	0.01
19	CYANIDE as CN	APHA 4500-CN C&F	mg/L	ND (<0.02)	0.07
20	LEAD as Pb	APHA - 3120B	mg/L	ND (<0.010)	0.01
21	CHROMIUM as Cr	APHA - 3120B	mg/L	ND (<0.010)	0.05
22	SILVER as Ag	APHA - 3120B	mg/L	ND (<0.006)	0.05
23	COPPER as Cu	APHA - 3120B	mg/L	0.029	1
24	MAGNESIUM as Mg	APHA - 3120B	mg/L	1.81	150
25	ZINC as Zn	APHA - 3120B	mg/L	0.021	3
26	SODIUM as Na	APHA - 3120B	mg/L	6.50	200
27	SULPHATE as SO ₄	APHA - 4110B	mg/L	17.2	250
28	CHLOROFORM	APHA 6200B	mg/L	ND (<0.003)	0.2
29	BROMOFORM	APHA 6200B	mg/L	ND (<0.001)	0.1
30	DIBROMOCHLOROMETHANE	APHA 6200B	mg/L	ND (<0.001)	0.1
31	BROMODICHLOROMETHANE	APHA 6200B	mg/L	ND (<0.002)	0.06
32	ALDRIN / DIELDRIN	EPA 525.2	mg/L	ND (<0.00002)	0.00003
33	DDT	EPA 525.2	mg/L	ND (<0.00006)	0.002
34	HEPTACHLOR	EPA 525.2	mg/L	ND (<0.00002)	0.00003
35	HEPTACHLOR EPOXIDE	EPA 525.2	mg/L	ND (<0.00002)	0.00003
36	HEXACHLOROBENZENE	EPA 525.2	mg/L	ND (<0.00001)	0.001
37	LINDANE	EPA 525.2	mg/L	ND (<0.00006)	0.002

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NO	PARAMETER	METHOD REF. NO.	UNIT	RESULT	DRINKING WATER QUALITY STANDARDS
38	METHOXYCHLOR	EPA 525.2	mg/L	ND (<0.00005)	0.02
39	ENDOSULFAN I	EPA 525.2	mg/L	ND (<0.00005)	0.03
40	2,4-D (2,4-Dichlorophenoxy Acetic Acid)	In-house No. FH09	mg/L	ND (<0.01)	0.03
41	TOTAL COLIFORM	APHA 9221B	MPN/ 100ml	Absent#	Absent
42	<i>Escherichia coli</i>	APHA 9221F	MPN/ 100ml	Absent#	Absent

NOTE:

1. ND - Not Detected; < - Less Than The Minimum Detection Limit Reported
2. * Not SAMA Accredited
3. # Minimum Detection Limit is < 1.1 MPN/100ml
4. pH testing analyzed on 30/06/2015
5. Drinking Water Quality Standards is according to National Standard for Drinking Water Quality, 2nd Version, 2004
6. MPN - Most Probable Number

METHOD REFERENCE(S):

1. Standard Methods For The Examination Of Water and Waste Water (2005) 21st Edition, APHA, AWWA, WEF.
2. USEPA United States Environmental Protection Agency Methods.

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