

REPORT NO: MTL-A21121-2014-W

DATE : 27 NOVEMBER 2014

CERTIFICATE OF ANALYSIS

CLIENT : GIONO MARKETING (M) SDN. BHD.
NO. 2, JALAN TASIK 1,
PUSAT PERNIAGAAN TASIK,
86000 KLUANG, JOHOR, MALAYSIA.

SAMPLE DESCRIPTION : ONE (1) SAMPLE OF GIONO R10 NANO NEGATIVE HYDROGEN ION ALKALINE
ENERGY FILTRATION SYSTEM

SAMPLE RECEIVED : 26 NOVEMBER 2014

SAMPLE MARKING : BRAND : GIONO
MODEL : R10

TEST PARAMETER	UNIT	METHOD	RESULTS
Hydrogen	ppb	Hydrogen Meter	792

REMARK

1. The above result obtained was tested on the filtered water from Giono R10 Negative Hydrogen Ion Alkaline Energy Filtration System.



Lee Tai Wai
Lab Manager
IKM No.: L/1398/4521/04

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NO. 2, JALAN TASIK 1,
PUSAT PERNIAGAAN TASIK,
86000 KLUANG, JOHOR, MALAYSIA.

SAMPLE DESCRIPTION : ONE (1) SAMPLE OF DRINKING WATER

SAMPLE RECEIVED : 27 NOVEMBER 2014

SAMPLE MARKING : GIONO R10 NANO NEGATIVE HYDROGEN ION ALKALINE ENERGY FILTRATION SYSTEM

TEST PARAMETER	UNIT	METHOD	WHO SPECIFICATION	RESULTS
pH Value	-	APHA 4500-H'B	6.5 – 8.5	9.5 at 25°C
Color	Hazen	HACH Method 8025	Max 15	N.D (<5)
Turbidity	NTU	In-House Method (Turbidimeter)	Max 5	0.17
Dissolved Solids	mg/l	In-House Method (TDS Meter)	Max 1000	96.2
Suspended Solids	mg/l	APHA 2540 D	-	N.D (<2)
Nitrate Nitrogen (NO ₃ -N)	mg/l	HACH Method 8171	Max 11	0.8
Nitrite Nitrogen (NO ₂ -N)	mg/l	HACH Method 8507	Max 0.9	0.005
Hardness (as CaCO ₃)	mg/l	APHA 2340 B	Max 500	56.45
Alkalinity (as CaCO ₃)	mg/l	APHA 2320 B	-	34.90
Chloride (Cl)	mg/l	HACH Method 8113	Max 250	9.3
Sulphate (SO ₄)	mg/l	HACH Method 8051	Max 500	23
Oil and Grease	mg/l	In-house method SOP-0217-2005	-	N.D (<1)
Detergent	mg/l	HACH Method 8028	-	N.D (<0.002)
Phenol	mg/l	HACH Method 8047	Max 0.2	N.D (<0.02)
Arsenic (As)	mg/l	APHA 3125 B (ICP-MS)	Max 0.01	0.002
Cadmium (Cd)	mg/l	APHA 3125 B (ICP-MS)	Max 0.003	N.D (<0.001)
Calcium (Ca)	mg/l	APHA 3125 B (ICP-MS)	Max 200	6.0
Chromium (Cr)	mg/l	APHA 3125 B (ICP-MS)	Max 0.05	0.001
Iron (as Fe)	mg/l	APHA 3125 B (ICP-MS)	Max 0.30	0.048
Copper (as Cu)	mg/l	APHA 3125 B (ICP-MS)	Max 2.0	0.010
Lead (Pb)	mg/l	APHA 3125 B (ICP-MS)	Max 0.01	N.D (<0.001)
Magnesium (Mg)	mg/l	APHA 3125 B (ICP-MS)	Max 150	10.07
Manganese (Mn)	mg/l	APHA 3125 B (ICP-MS)	Max 0.1	0.002
Zinc (Zn)	mg/l	APHA 3125 B (ICP-MS)	Max 5.0	0.014
Cyanide (CN)	mg/l	HACH Method 8027	Max 0.17	N.D (<0.02)
Residual Chlorine (Cl ₂)	mg/l	HACH Method 8021	Max 5	N.D (<0.02)
Coliform	MPN/100ml	APHA 9221 B	NIL	N.D
<i>Escherichia coli</i>	MPN/100ml	APHA 9221 F	NIL	N.D

REMARKS

- 1) N.D - Not Detected.
- 2) Microbiological result reported as N.D denotes <2 for Coliform and *Escherichia coli*.
- 3) The test parameters Chloride, Detergent and Phenol are not under the scope of SAMM accreditation.

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Microbiologist

Lee Tai Wai
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