

NANO-pH Filter



Product Hydrogen(H) and reduction to rise up Hydrogen ion density Improvement of erase function O3 to anti-oxidation by strengthening (-mV) with ORP-Oxidation Reduction Potential

- Nano-pH filter : pH 8.0 ~ 10 & ORP - 100- -200mV
- Durability and Service life : 3,600L

Nature Mineral -

1. Catalysis for produce hydrogen and create electric charge operation tourmaline powder
2. Magnetite powder can control oxidation and reducing process
3. Zeolite powder is high function of an ion replacement(MEQ) by absorption & suction
4. Active carbon powder
5. Gur binder(approved FDA) and Mixed bubbly PE binder be produce black filter by compressed sinter method

Reduction is O3

ORP Oxidation Reduction Potential, That is determinant energy in accordance with balance of between the oxidizing agent & a reducing agent in solution as the low numerical value is show reduction, high numerical value is show the strong oxidative.

Finally, need the hydrogen ($H \rightarrow H \cdot$, $H+H_2$) and keep up balance of mineral to product for alkali Revivification water

LOHAS Alkali Revivification water is technique an intensive method to formation process as copious as inclusion of mineral and hydrogen(H)

LOHAS Water is strong of oxidation-reduction potential reducing rate (ORP -100--250mV),

The other side Oxidative rate is high that oxidative reduction potential of general water (ORP - +200-+600mV)


Small Cluster

Alkali Revivification water is dense organization to easily carry by mineral ion action And speed up metabolism to transpire body wastes. (general water 127Hz= alkali Revivification water 62Hz)

Remove Active Oxygen

Active oxygen is hinder activity with primary factor for aging & health by expended oxidative to destructive metabolism in deficiency electron

NANO-pH Filter - Filter Test Result



KOREA TESTING & RESEARCH INSTITUTE

TEST REPORT
(Registered Copy)

7-6, Gomak-Ri, Wolgot-Myeon, Gimpo-Si, Gyeonggi-Do, KOREA TEL 82-31-999-3000 FAX 82-31-999-3001

Report No : TAH-004357 Receipt Date : Jul.23.2007
 Client : HYUNDAI WACORTEC.CO., LTD. Test Date : Aug.06.2007
 684-49, Gongreung-Dong, Nowon-Ku, Seoul, KOREA

Sample : Alpha Filter

TEST RESULTS


| TEST ITEM | UNIT | SAMPLE | RESULT | TEST METHOD |
|------------------------|---------|--------|--------------|--|
| Generl Bactria | CFU/ml | | Not Detected | By The Client (Test Method of Drinking Water "The Ministry of Environment" : 2004) |
| Total E.Coli | -/100ml | | Not Detected | By The Client (Test Method of Drinking Water "The Ministry of Environment" : 2004) |
| E.Coli/Fecal Coliforms | -/100ml | | Not Detected | By The Client (Test Method of Drinking Water "The Ministry of Environment" : 2004) |
| Pb | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| F ⁻ | mg/L | | 0.2 | Test Method of Drinking Water "The Ministry of Environment" |
| As | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Se | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Hg | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| CN | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Cr(VI) | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| NH ₃ -N | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |

- Next Page -

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1 of Total 5 Page(s)



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Sample : Alpha Filter

TEST RESULTS


| TEST ITEM | UNIT | SAMPLE | RESULT | TEST METHOD |
|----------------------------------|------|--------|--------------|---|
| NO ₂ -N | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Cl ⁻ | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| SO ₄ ²⁻ | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Phospor | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Chlorine | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Ammonia | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Fluoride | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Cadmium | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Li ₁ -Tetrahydrofuran | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Tetrahydrofuran | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Dichloromethane | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Benzene | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |

- Next Page -

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TEST RESULTS

| TEST ITEM | UNIT | SAMPLE | RESULT | TEST METHOD |
|-----------------------------------|------|--------|--------------|---|
| Toluene | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Ethylbenzene | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Xylene | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| 1,1-Dichloroethylene | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Carbon Tetrachloride | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| 1,1-Dichloro-2-methyl-2-propylene | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Hexachloro | mg/L | | 60 | Test Method of Drinking Water "The Ministry of Environment" |
| Perfluorooctane sulfonate (PFOS) | mg/L | | 1.3 | Test Method of Drinking Water "The Ministry of Environment" |
| Other | - | | Pass | Test Method of Drinking Water "The Ministry of Environment" |
| Fluor | Pass | | Pass | Test Method of Drinking Water "The Ministry of Environment" |
| Color | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Cl ⁻ | mg/L | | 1 | Test Method of Drinking Water "The Ministry of Environment" |
| SO ₄ ²⁻ | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |

- Next Page -

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TEST RESULTS


| TEST ITEM | UNIT | SAMPLE | RESULT | TEST METHOD |
|-------------------------------|------|--------|--------------|---|
| pH | - | | 6.2 | Test Method of Drinking Water "The Ministry of Environment" |
| Zn | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Cl ⁻ | mg/L | | 14 | Test Method of Drinking Water "The Ministry of Environment" |
| Residue on Evaporation | mg/L | | 12 | Test Method of Drinking Water "The Ministry of Environment" |
| Fe | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Mn | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Specific Gravity | mg/L | | 0.99 | Test Method of Drinking Water "The Ministry of Environment" |
| SO ₄ ²⁻ | mg/L | | 31 | Test Method of Drinking Water "The Ministry of Environment" |
| Al | mg/L | | Not Detected | Test Method of Drinking Water "The Ministry of Environment" |
| Ca | mg/L | | 15.3 | Standard Methods 2005 |
| Mg | mg/L | | 14.6 | Standard Methods 2005 |
| Na | mg/L | | 7.36 | Standard Methods 2005 |
| K | mg/L | | 2.23 | Standard Methods 2005 |
| ORP | mV | | -19 | Standard Methods 2005 |

- Next Page -

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TEST RESULTS

| TEST ITEM | UNIT | SAMPLE | RESULT | TEST METHOD |
|---------------------------------|------|--------|--------|-----------------------|
| 1. Water Temp | - | | 16.2 | Standard Methods 2005 |
| 2. Temperature 20 °C | - | | 16.2 | Standard Methods 2005 |
| 3. Pressure | - | | 1.01 | Standard Methods 2005 |
| 4. Volume of passed water / 10L | - | | 10.0 | Standard Methods 2005 |

USAGE : QUALITY CONTROL

NOTE : 1. The test result of this test report only based in the sample and sample name presented by the client and do not guarantee the all products of the client.
 2. The test report shall be used only within the purpose of its defined usage and also shall not be used for public relation, advertisement and self promotion for the KTR's similar approval.
 3. This test report includes the test result performed in accordance with the test method which is presented by client.

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