



ULR - TC633821000003408F

No. KH 41576 / 2021

ADDRESS: XIII/1208, INTERPRINT HOUSE, KARUVELIPADY, KOCHI - 682005, KERALA,

| | | |
|---|--------------------|----------------------|
| CUSTOMER NAME & ADDRESS On behalf of Green Technology Global, Inc. 435 E.Hawley #994, Mundelein, IL 60073 USA | DATE OF ISSUE | : 17-03-2021 |
| | SAMPLE RECEIPT | : 18-01-2021 |
| | SAMPLE CODE | : KH/21/23351/C79168 |
| | ANALYSIS STARTED | : 18-01-2021 |
| | ANALYSIS COMPLETED | : 30-01-2021 |

INFORMATION PROVIDED BY CUSTOMER

SAMPLE NAME : WATER
 BRAND : GTG - ATMOSPHERIC WATER GENERATOR

OTHER INFORMATION

CONDITION OF SAMPLE : RECEIVED IN GOOD CONDITION
 SAMPLED BY : Mr. LALU THOMAS (Authorized sampler of Interfield Laboratories) as per IFL/MSP/7.3/02-G
 SAMPLE DRAWN FROM : ATMOSPHERIC WATER GENERATOR
 DATE OF SAMPLING : 18.01.2021
 SAMPLING LOCATION : KOCHI, KERALA, 682030

TEST DONE AS PER IS 10500 : 2012

I. CHEMICAL TESTING : Water / Residues In Water

| SL NO. | PARAMETER TESTED | UNIT OF MEASUREMENT | REQUIREMENT (ACCEPTABLE LIMIT) | PERMISSIBLE LIMIT IN THE ABSENCE OF ALTERNATE SOURCE | TEST RESULT | LIMIT OF QUANTIFICATION (LOQ) | TEST METHOD |
|--------|-----------------------------------|---------------------|--------------------------------|--|---------------|-------------------------------|---------------------------------------|
| 1 | COLOUR | Hazen | Max 5 | Max 15 | 1 | 1 | IS 3025 (Part 4) : 1983, Reaff. 2002 |
| 2 | ODOUR | -- | AGREEABLE | AGREEABLE | Agreeable | -- | IS 3025 (Part 5) : 2018 |
| 3 | pH VALUE | pH units | 6.5 to 8.5 | 6.5 to 8.5 | 7.63 at 25° C | 1 | IS 3025 (Part 11) : 1983, Reaff. 2002 |
| 4 | TASTE | -- | AGREEABLE | AGREEABLE | Agreeable | -- | IS 3025 (Part 8) : 1984, Reaff. 2002 |
| 5 | TURBIDITY | NTU | Max 1 | Max 5 | < 1 | 1 | IS 3025 (Part 10) : 1984, Reaff. 2002 |
| 6 | TOTAL DISSOLVED SOLIDS | mg/l | Max 500 | Max 2000 | 27.0 | 10 | IS 3025 (Part 16) : 1984, Reaff. 2006 |
| 7 | ALUMINIUM (as Al) | mg/l | Max 0.03 | Max 0.2 | < LOQ | 0.02 | IFL C/OSP W/010 |
| 8 | AMMONIA (as Total Ammonia - N) | mg/l | Max 0.5 | Max 0.5 | < LOQ | 0.1 | IFL C/QSP W/026 |
| 9 | ANIONIC DETERGENTS (as MBAS) | mg/l | Max 0.2 | Max 1.0 | < LOQ | 0.1 | Annex - K of IS 13428 : 2005 |
| 10 | BARIUM (as Ba) | mg/l | Max 0.7 | Max 0.7 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |
| 11 | BORON (as B) | mg/l | Max 0.5 | Max 2.4 | < LOQ | 0.2 | Annex - H of IS 13428 : 2005 |
| 12 | CALCIUM (as Ca) | mg/l | Max 75 | Max 200 | < LOQ | 2 | IS 3025 (Part 40) : 1991, Reaff. 2009 |
| 13 | CHLORAMINES (as Cl ₂) | mg/l | Max 4.0 | Max 4.0 | < LOQ | 0.1 | APHA 23rd Ed. 4500 Cl-G |

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The results are related only to the samples submitted for analysis and should not be used for advertisements, evidence or litigation | The liability of the laboratory will be limited to a refund of the fees collected | This certificate shall not be reproduced except in full, without the written approval of the laboratory

FOR AND ON BEHALF OF
INTERFIELD LABORATORIES
 SUNANDA PADIYATH
 MANAGER - QA
 17-03-2021
 AUTHORIZED SIGNATORY



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|--------|--|---------------------|--------------------------------|--|-------------|-------------------------------|---------------------------------------|
| 14 | CHLORIDE (as Cl ⁻) | mg/l | Max 250 | Max 1000 | < LOQ | 5 | IS 3025 (Part 32) : 1988, Reaff. 2007 |
| 15 | COPPER (as Cu) | mg/l | Max 0.05 | Max 1.5 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |
| 16 | FLUORIDE (as F ⁻) | mg/l | Max 1.0 | Max 1.5 | < LOQ | 0.3 | IFL C/QSP W/009 |
| 17 | RESIDUAL FREE CHLORINE | mg/l | Min 0.2 (if chlorinated) | Min 1 (if chlorinated) | < LOQ | 0.01 | IS 3025 (Part 26) : 1986, Reaff. 2003 |
| 18 | IRON (as Fe) | mg/l | Max 1.0 | Max 1.0 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |
| 19 | MAGNESIUM (as Mg) | mg/l | Max 30 | Max 100 | < LOQ | 0.5 | IS 3025 (Part 46) : 1994, Reaff. 2003 |
| 20 | MANGANESE (as Mn) | mg/l | Max 0.1 | Max 0.3 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |
| 21 | MINERAL OIL | mg/l | Max 0.5 | Max 0.5 | < LOQ | 0.1 | IS 3025 (Part 39) : 1991, Reaff. 2003 |
| 22 | NITRATE (as NO ₃ ⁻) | mg/l | Max 45 | Max 45 | < LOQ | 1 | APHA 23rd Ed. 4500 NO. 3-B |
| 23 | PHENOLIC COMPOUNDS (as C ₆ H ₅ OH) | mg/l | Max 0.001 | Max 0.002 | < LOQ | 0.001 | IS 3025 (Part 43) : 1992, Reaff. 2003 |
| 24 | SELENIUM (as Se) | mg/l | Max 0.01 | Max 0.01 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |
| 25 | SILVER (as Ag) | mg/l | Max 0.1 | Max 0.1 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |
| 26 | SULPHATE (as SO ₄ ²⁻) | mg/l | Max 200 | Max 400 | < LOQ | 5 | IS 3025 (Part 24) : 1986, Reaff. 2009 |
| 27 | SULPHIDE (as H ₂ S) | mg/l | Max 0.05 | Max 0.05 | < LOQ | 0.02 | IS 3025 (Part 29) : 1986, Reaff. 2003 |
| 28 | TOTAL ALKALINITY (as CaCO ₃) | mg/l | Max 200 | Max 600 | 27.8 | 5 | IS 3025 (Part 23) : 1986, Reaff. 2003 |
| 29 | TOTAL HARDNESS (CaCO ₃) | mg/l | Max 200 | Max 600 | < LOQ | 5 | IS 3025 (Part 21) : 2009 |
| 30 | ZINC (as Zn) | mg/l | Max 5 | Max 15 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |
| 31 | CADMIUM (as Cd) | mg/l | Max 0.003 | Max 0.003 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |
| 32 | CYANIDE (as CN ⁻) | mg/l | Max 0.05 | Max 0.05 | < LOQ | 0.01 | IFL C/QSP W/013 |
| 33 | LEAD (as Pb) | mg/l | Max 0.01 | Max 0.01 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |
| 34 | MERCURY (as Hg) | mg/l | Max 0.001 | Max 0.001 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |
| 35 | MOLYBDENUM (as Mo) | mg/l | Max 0.07 | Max 0.07 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |
| 36 | NICKEL (as Ni) | mg/l | Max 0.02 | Max 0.02 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |

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|--------|--|---------------------|--------------------------------|--|--------------|-------------------------------|--------------------|
| 37 | PESTICIDES | | | | | | |
| | 1) alpha-HCH | µg/l | Max 0.01 | Max 0.01 | Not Detected | 0.01 | USEPA 525.2 |
| | 2) beta - HCH | µg/l | Max 0.04 | Max 0.04 | Not Detected | 0.01 | USEPA 525.2 |
| | 3) gamma- HCH (Lindane) | µg/l | Max 2 | Max 2 | Not Detected | 0.01 | USEPA 525.2 |
| | 4) delta - HCH | µg/l | Max 0.04 | Max 0.04 | Not Detected | 0.01 | USEPA 525.2 |
| | 5) Butachlor | µg/l | Max 125 | Max 125 | Not Detected | 0.05 | USEPA 525.2 |
| | 6) Alachlor | µg/l | Max 20 | Max 20 | Not Detected | 0.05 | USEPA 525.2 |
| | 7) Ethion | µg/l | Max 3 | Max 3 | Not Detected | 0.05 | USEPA 525.2 |
| | 8) Chlorpyrifos | µg/l | Max 30 | Max 30 | Not Detected | 0.05 | USEPA 525.2 |
| | 9) Atrazine | µg/l | Max 2 | Max 2 | Not Detected | 0.05 | USEPA 525.2 |
| | 10) Isoproturon | µg/l | Max 9 | Max 9 | Not Detected | 0.05 | USEPA 525.2 |
| | 11) Monocrotophos | µg/l | Max 1 | Max 1 | Not Detected | 0.05 | USEPA 525.2 |
| | 12) Malathion (Sum of malathion and malaoxon) | µg/l | Max 190 | Max 190 | Not Detected | 0.05 | USEPA 525.2 |
| | 13) Methyl parathion (Sum of methyl parathion and methyl paraoxon) | µg/l | Max 0.3 | Max 0.3 | Not Detected | 0.05 | USEPA 525.2 |
| | 14) Aldrin and Dieldrin | µg/l | Max 0.03 | Max 0.03 | Not Detected | 0.01 | USEPA 525.2 |
| | 15) Endosulfan (sum of alpha, beta isomers and sulphate) | µg/l | Max 0.4 | Max 0.4 | Not Detected | 0.05 | USEPA 525.2 |
| | 16) DDT (o,p and p,p - isomers of DDT, DDE and DDD) | µg/l | Max 1 | Max 1 | Not Detected | 0.05 | USEPA 525.2 |
| | 17) 2,4- D | µg/l | Max 30 | Max 30 | Not Detected | 0.1 | USEPA 525.2 |
| | 18) Phorate (Sum of Phorate, Phorate Sulfoxide & Phorate Sulfone) | µg/l | Max 2 | Max 2 | Not Detected | 0.05 | USEPA 525.2 |
| 38 | POLYCHLORINATED BIPHENYLS (PCBs) | | | | | | |
| | 1) 2,4,4' - Trichlorobiphenyl | mg/l | -- | -- | Not Detected | 0.00005 | USEPA 525.2 |
| | 2) 2,2',5,5' - Tetrachlorobiphenyl | mg/l | -- | -- | Not Detected | 0.00005 | USEPA 525.2 |
| | 3) 2,2',4,5,5' - Pentachlorobiphenyl | mg/l | -- | -- | Not Detected | 0.00005 | USEPA 525.2 |
| | 4) 2,2',3,4,4',5' - Hexachlorobiphenyl | mg/l | -- | -- | Not Detected | 0.00005 | USEPA 525.2 |
| | 5) 2,2',4,4',5,5' - Hexachlorobiphenyl | mg/l | -- | -- | Not Detected | 0.00005 | USEPA 525.2 |
| | 6) 2,2',3,4,4',5,5' - Heptachlorobiphenyl | mg/l | -- | -- | Not Detected | 0.00005 | USEPA 525.2 |
| | 7) PCB (sum of i - vi) | mg/l | Max 0.0005 | Max 0.0005 | Not Detected | -- | |
| 39 | POLYNUCLEAR AROMATIC HYDROCARBONS (PAH) | | | | | | |
| | 1) Benzo (b) Flouranthene | mq/l | -- | -- | Not Detected | 0.00001 | USEPA 525.2 |
| | 2) Benzo (k) Flouranthene | mq/l | -- | -- | Not Detected | 0.00001 | USEPA 525.2 |
| | 3) Indeno (1, 2, 3-cd) pyrene | mq/l | -- | -- | Not Detected | 0.00001 | USEPA 525.2 |
| | 4) Benzo (ghi) perylene | mq/l | -- | -- | Not Detected | 0.00001 | USEPA 525.2 |
| | 5) PAH (sum of i - iv) | mq/l | Max 0.0001 | Max 0.0001 | Not Detected | 0.00001 | |
| 40 | TOTAL ARSENIC (as As) | mg/l | Max 0.01 | Max 0.01 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |
| 41 | TOTAL CHROMIUM (as Cr) | mg/l | Max 0.05 | Max 0.05 | < LOQ | 0.0005 | APHA 23rd Ed. 3125 |
| 42 | TRIHALOMETHANES | | | | | | |
| | 1) Chloroform | mq/l | Max 0.2 | Max 0.2 | Not Detected | 0.00025 | USEPA 524.2 |
| | 2) Bromodichloromethane | mq/l | Max 0.06 | Max 0.06 | Not Detected | 0.00025 | USEPA 524.2 |

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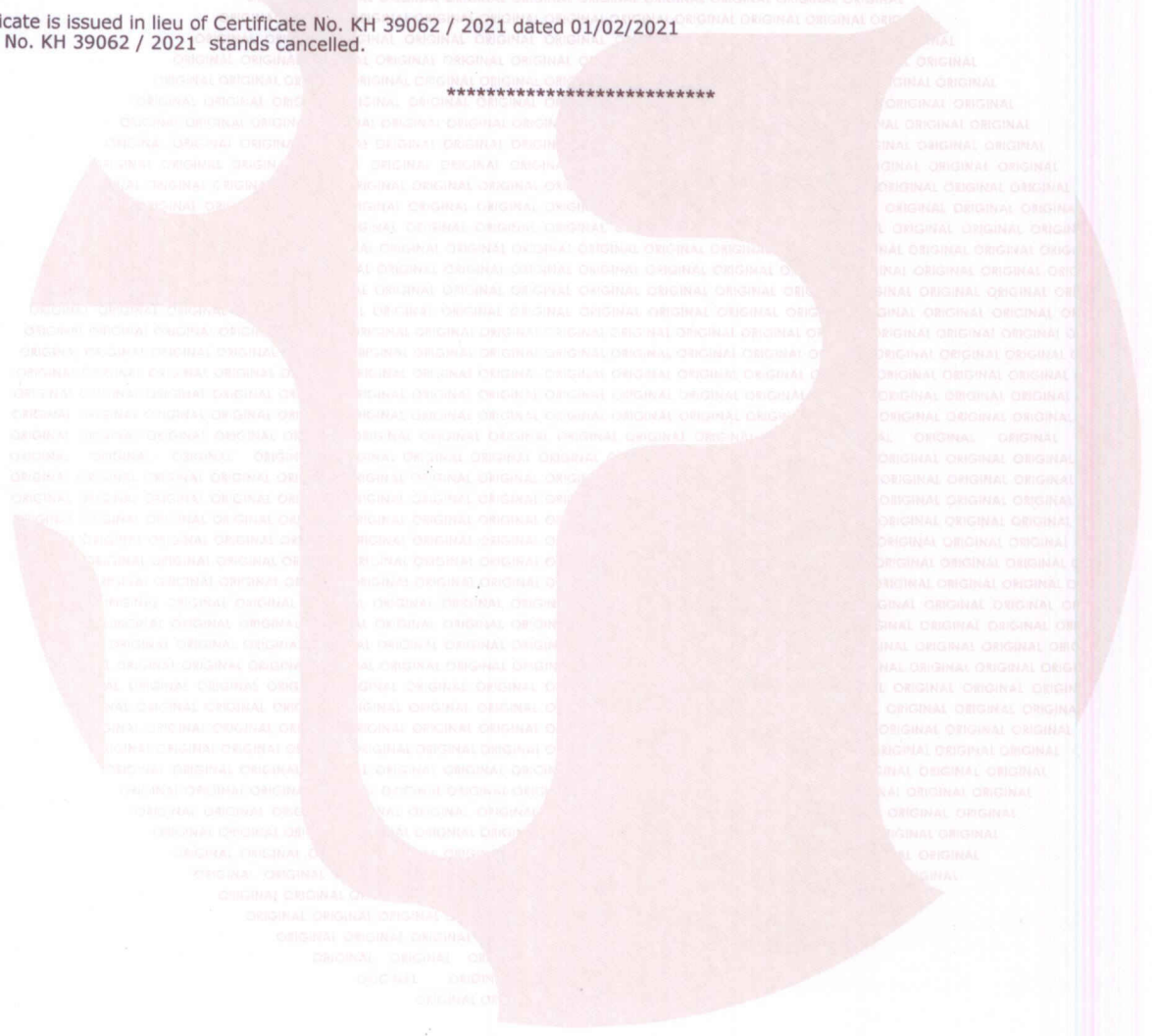
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|--------|-------------------------|---------------------|--------------------------------|--|--------------|-------------------------------|-------------|
| | 3) Dibromochloromethane | mg/l | Max 0.1 | Max 0.1 | Not Detected | 0.00025 | USEPA 524.2 |
| | 4) Bromoform | mg/l | Max 0.1 | Max 0.1 | Not Detected | 0.00025 | USEPA 524.2 |

Remarks : This sample conforms to the IS 10500:2012 with respect to the above parameters.

This Certificate is issued in lieu of Certificate No. KH 39062 / 2021 dated 01/02/2021
Certificate No. KH 39062 / 2021 stands cancelled.



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