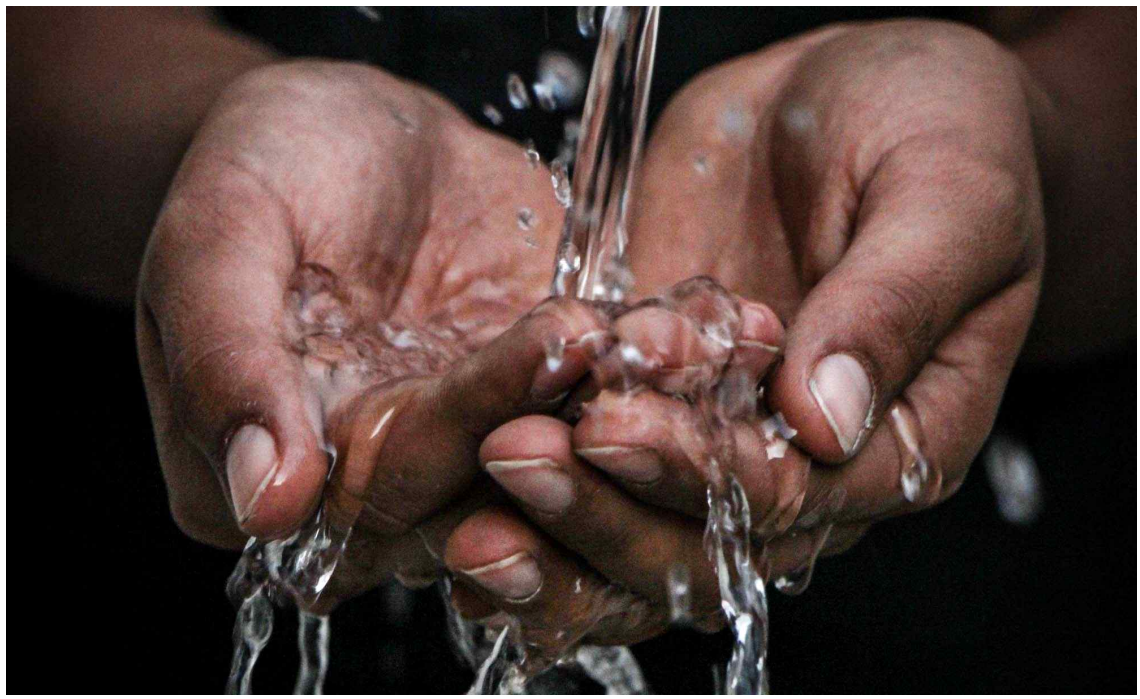
AD Series AWG system



Atmospheric Water Generator, unique solution for drinking water crisis.
Water & Life Solution for your Home & Office.
Creative Technology to provide drinkable water solution.
Enjoy healthy Air & Water with AD5pro2 and ADpro1000.

ATC Co., Ltd.

Contents

Company information (Structure)

Company information (History)

- ❖1989-Dec Launched the POU purifier, 909-H Stand type.
- ❖1990-Jan Launched the water cooler WH951.
- ❖1991-Apr Supply 909H to Kolong Industry as OEM
- ❖1993-Jul Supply CH1500 to Chuingho Nice as OEM.
- ❖1994-Jul Supply WS951 to Kwangdong Medicine as OEM
- ❖1995-Apr Supply WS951 to Kitchen Art
- ❖1997-Jun Developed and launched the Moving Air-Conditioner
- ❖1998-Nov Developed and launched the Air cleaner
- ❖2000-Jan Developed the 1st Generation Atmospheric Water Generator KA4000
- ❖2002-Oct Developed the 2nd Generation Atmospheric Water Generator M-5 (E-10)
- ❖2003-Apr Registered the Korean patents for Atmospheric Water Generator Technology
- ❖2003-Dec ETL approval for M-5 AWS
- ❖2004-Apr ISO9001, ISO14001 approval for AWS system
- ❖2004-Nov Registered the Korean patents for Atmospheric Water Generator System
- ❖2005-Feb Developed the Desktop type AWS M4
- ❖2005-Jun Developed the Compact type AWS AD-7
- ❖2007-Jun Developed the 3rd generation AWS AD-6
- ❖2007-Oct SASO approval
- ❖2005-Sep Registered PCT
- ❖2006-Jun Registered the AWS to FDA
- ❖2006-Jun CE, EMC approval for M5 and AD7
- ❖2006-Jul Established the AWS R&D Institute
- ❖2006-Jul Registered the Korean Patent for Compact type AWG unit

❖2006-Nov RoHS Approval

❖2008-Jun Developed Large scale Industrial Atmospheric Water System

❖2008-Nov Registered PCT

❖2010-Feb Developed the 4th generation AWS AD-5

❖2010-Feb Registered the Japanese Patent

❖2012-May France ACS Certification approval

❖2012-Aug Registered the European Patent (EP)

❖2013-Feb ETL approval of AD5

❖2013-May Registered the Chinese, USA Patent

❖2014-Jun Developed the Cabinet cooler for Telecommunication device

❖2014-Nov Developed the Mineral AWS unit

❖2015-Aug Developed the Hot & Cold AWS unit

❖2017-Feb Developed the instant heating device

❖2018- Aug Developed the Upgrade AD5 pro 1& ADpro1000

❖2018-Nov Developed the Stand-type AWG SAT100

❖2019-Jul Agreed to establish a Joint Venture in Japan (ATC Japan)

❖2019-Dec Found the Joint Venture in Japan (ATC Japan)

❖2020-Feb Approval of CE (LVD, EMC, RoHS) for AD5pro2

❖2020-Nov Developed the ADpro1000 TD2F Model

❖2020-Nov Developed 5th generation AWS AD5pro2

❖2021-Jan Airing on Arirang TV Program

❖2021-Aug Vendor Registration of US Federal Government and UN

❖2022 September Developed the 4K. 8K hot water circulation heater

❖2023 Oct Found Joint Venture company in Indonesia

❖2023 Oct Developed the 40K hot water circulation heater for Samsung

❖2024-Feb Set up Bottled water selling project in Nusantara

❖2024-Apr Start developing 6th generation model AWG (IOT)

❖2024-Mar Contract with Indian Madhya Pradesh Government

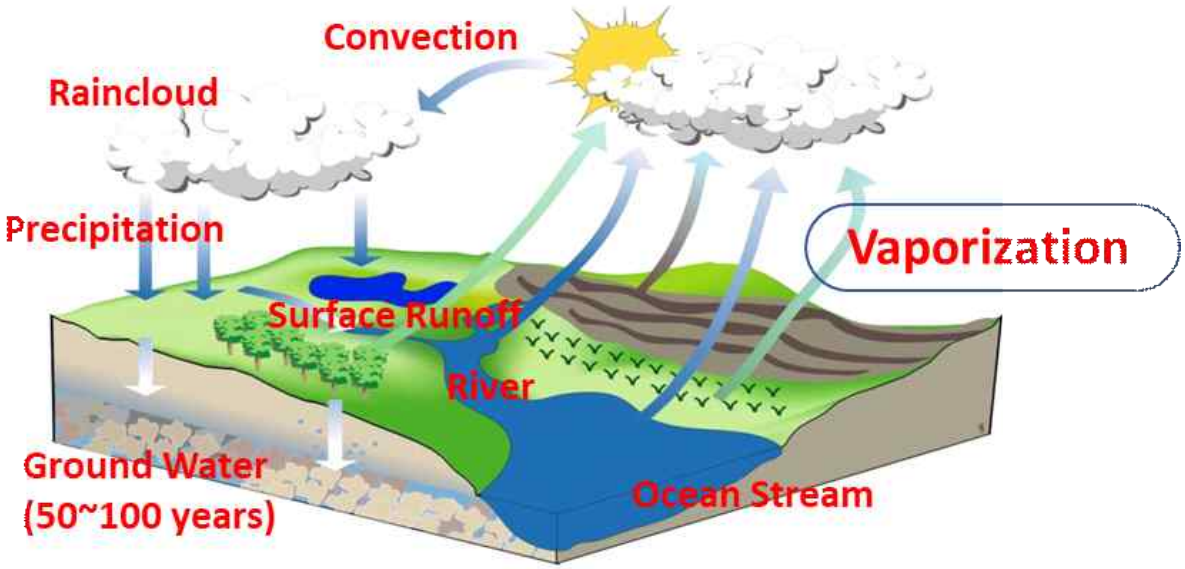
❖2024-Jul Contract with Tinh Tue for marketing and AS & Maintenamce in Vietnam

Company information (Customers & Partners)

Continental	Country	Company	Since	Remark
Asia	Japan	ATC Japan	2019	
	Indonesia	Air Embun Sehat	2023	
	Vietnam	Tinh Tue	2024	
	Cambodia	Government	2022	
	India	Government	2024	
Europe	France	CWT Frevail	2020	
		Oasis water	2019	
	Malta	Centivat	2024	
America	Canada	AW International	2019	
	USA	Planet's Purest Water	2012	
		Texas Spring LLC	2019	
	Puerto Rico	AW Puerto Rico	2018	
	Honduras	Invet IMEX S.A.	2020	
	Mexico	Government	2022	
Middle East	UAE	H2home	2017	
	KSA	Anex	2023	
Africa	Egypt	WTA	2020	

Company information (CSR - Medan, Yokjakarta)

AWG Technology (Introduction of AWG)



Huge amount of water is stored as water vapors in the air during water circulation in nature. Vaporization is the most effective water filtration process as it used to make pure distilled water. Water vapor exist as 0.0004 micron sized pure and clean water and about 500,000 cubic kilo meters of water is exist as water vapor around us.

Atmospheric Water Generating Technology is to collect water vapors and condense them to pure, clean, safe and healthy drinkable water.

Atmospheric water created from the moisture in the air is very special by high concentration of O2, no acidity, better taste and significant health benefit at a competitive price. Water Test Laboratories report on AWG water shows many results listed as Not Detected in any quantity on more than the 100 organic and inorganic metals, chemicals and other pollutants that are routinely present in ALL other types of drinking water such as tap water, well water, bottle water and all the way to filtered reverse osmosis water.

Since water vapor is the source of water, AWG unit do not need any other source of water such as tap, bottled water.

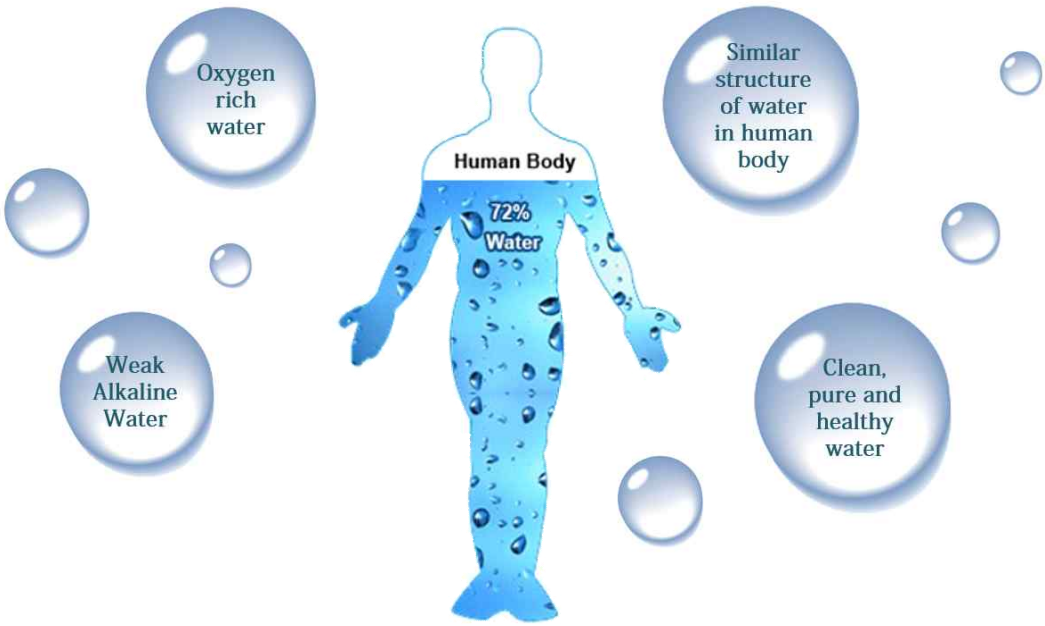
Just plug it like TV.

Clean, safe, pure and healthy water is available on demand.

When we say the purest and cleanest water on the planet, we mean it.

AWG Technology (Introduction of AWG)

The most essence of life, DRINKING WATER!
AWG create WATER most similar to water in human body



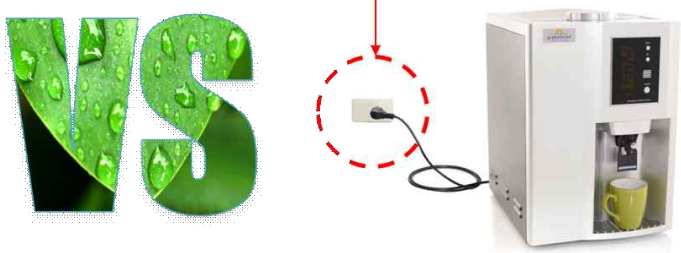
Save Earth, Save Us

NO chemical process. NO chemical additive. NO waste. NO PET bottle.
AWG creates water by same method as our Earth makes morning dew on mountain.
Save & Protect our Earth from plastic waste.

AWG Technology (Introduction of AWG)

STOP plumbing or carrying heavy bottle!

Just plug it like TV. It's all for pure drinkable water.



Save Money with AWG!

Cost of water created from AWG is only 1/15 ~ 1/5 of bottled water.

AWG Technology (Comparison of AWG and other products)

	Tap Water	Under-ground water	Bottled water	RO System	AWG
Water Quality (TDS)	more than 300~1000	more than 500	more than 300	less than 50	**Less than 20**
	Rust from the water pipe, bad odor and taste	Lead, Arson, Cadimium, etc Heavy metal contamination	Re-treatment of tap water	Good quality	Best quality
	Bad	Bad	Normal	Good	Best
Economic view	- Required Infra-structure and initial huge investment	- Required initial investment - Difficult to maintain and abandoned frequently	- High cost to buy	- Water quality is highly depend on the raw water. - Can't be used where source water is lime-rich. - Waste 4 times more than purified water	- No initial investment is required. - Easy maintenance
	Bad	Bad	Good	Bad	Good
Installation & Maintenance	Easy	High risk of contamination	Difficult to carry and move	Plumbing and piping process is required	Plug and Play
	Good	Bad	Normal	Bad	Good

Product Information (AWGProduct Range)

AD1000 / ADpro 1000
- Produce about 1000 liters daily

Industrial model
(For military, agriculture, village, etc)

AD5 / AD5 Pro1 / AD5 Pro2
- Produce about 20 liters daily

HOme & Office model

AL 12000
- Produce about 40 liters daily

HOme & Office model
Japan exclusive use

AD5pro2 for Home & Office (Produce about 20 liters/ day)

General Specification

Dimension	380 x 520 x 560 (mm)
Weight	32 Kg
Power	110 or 230 VAC 280 Wh
Filter System	2 Stages Air filter 3 Stages Water filter 4 Stage Anti Bacterial system
Storage	Total 13.5 liters

Advantages of using AWG

1. **No installation and Easy maintenance**
   (No need plumbing & piping. No need to store or lift up heavy bottle)
2. **Low water cost**.
   (Save at least USD 300 annually compared to Bottled water) * USA
3. **No chemical process. No chemical additive.**
   (No bad taste or odor)
4. **No bacterial growth. No Water bloom**.
   (Special 24 hours circulation system can keep water clean, safe, pure and healthy)
5. **High water quality**
   (Water quality is stable and not affected by anything.
   No harmful organic / inorganic ingredient exist in water)
6. **Natural water**
   (Water produced by AWG is similar to water in human body)
7. **Multi-functioning as Air cleaner and Dehumidifier**
   (Do not buy an Air cleaner, Dehumidifier and Water purifier separately)
8. **Better for your home and office security.**
   (Do not worry about your privacy for exchanging filters or delivering water bottles.)

AD5pro2 for Home & Office

(AD5Pro2 Water Making Capacity and Economic Benefit)

Water Making Capacity Table

Temp \ Humid	50 %	60 %	70 %	80 %	90 %
15 °C	3.2	4.1	5.9	6.4	8.3
20 °C	5.2	5.8	7.2	8.2	11.3
25 °C	6.6	8.3	11.7	13.9	17.0
30 °C	8.4	11.5	16.1	18.2	23.0

Daily Water Production in Lab (liters / day)

Economic benefit of AWG compared to Bottled Water.

1) in USA

- Water making capacity: about 20 liters / day
- Electricity cost: USD 0.1 / KW
- Power consumption: 280W / h
- Water making cost
  0.280 KW/h x USD 0.1 KWh / 0.833 liter/h = USD 0.037 / liter
- Bottled water cost in USA (Aquafina)
  Aquafina Gallon 19 liter (USD 2.7) -> USD 0.14 / liter
- Water cost of 1 liter
  Using AWG : USD 0.037 / liter
  Bottled Water : USD 0.14 / liter

Water cost of AWG is 1/3 of 19 liters bottled water.

2) in Indonesia

Water cost of AWG is 1/15 ~ 1/5 of bottled water.

AD5pro2 Characteristics (Front)

AD5pro2 Characteristics (Easy exchange of Air & Water filter)

1. Patented non-fin Evaporator coil
2. No micro-organisms & dust accumulation

1. Thick and wide air filter
2. Easy air filter exchange

1. Easy filter exchange
2. Pull and turn by hand
3. Auto water flow lock

AD5pro2 Characteristics (Air filter)

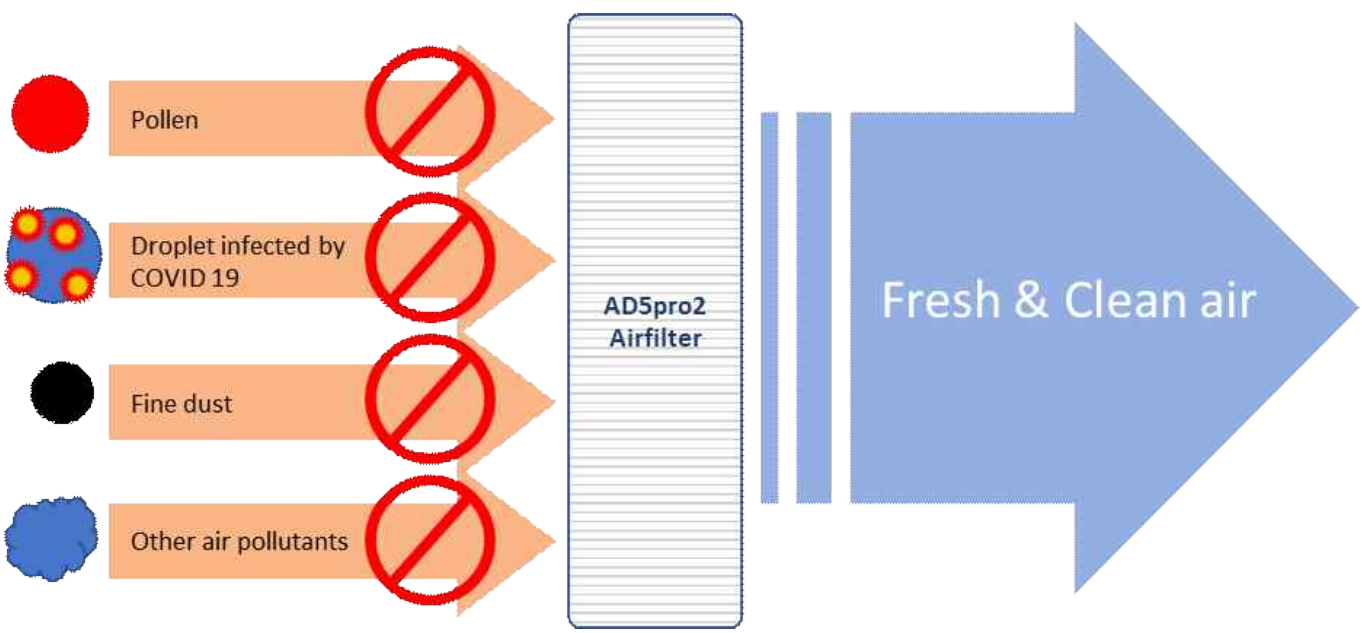
AD5pro2 Air filter system convert humid & dirty air to pleasant & clean in your ho me & Office.

1. E11 grade HEPA air filter

2. Same material of KF94 mask (MB)

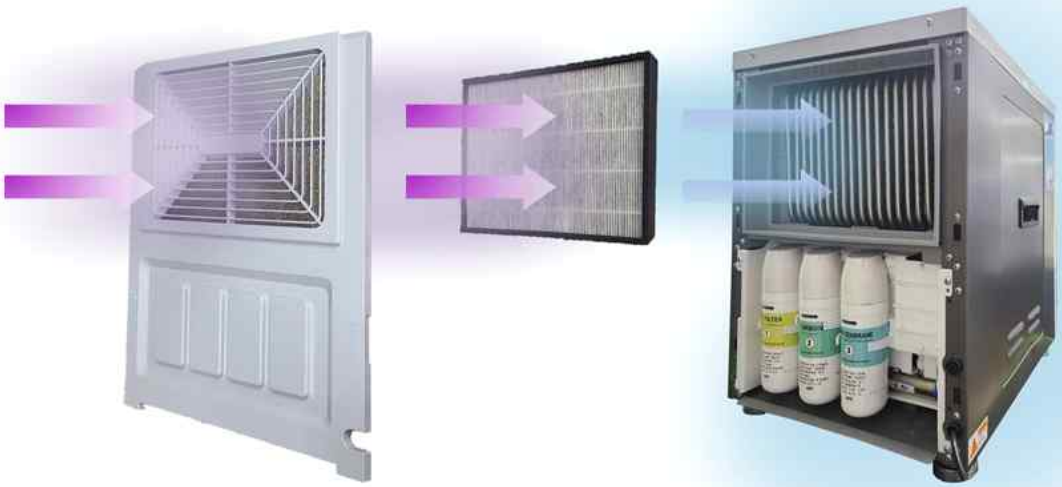
3. Wide and thick air filter

4. Removal rate 95 % of larger than 0.3 micron sized (1 micron = 1/ 1,000 mm)
   -- Coronavirus is known to spread out through saliva or droplets.
   -- The size of droplet is about 1~5 micron



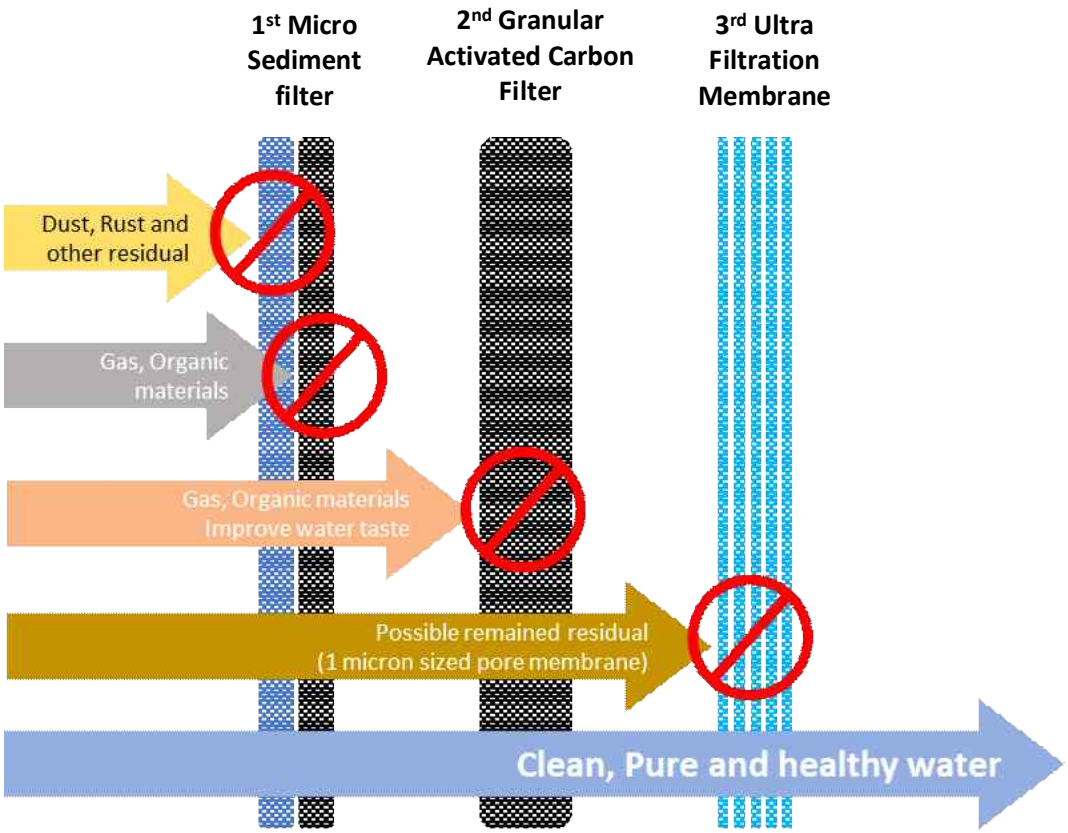
AD5pro2 Characteristics (Powerful Air filtration system)

Clean the air you breath everyday. Wear the mask on your home and office



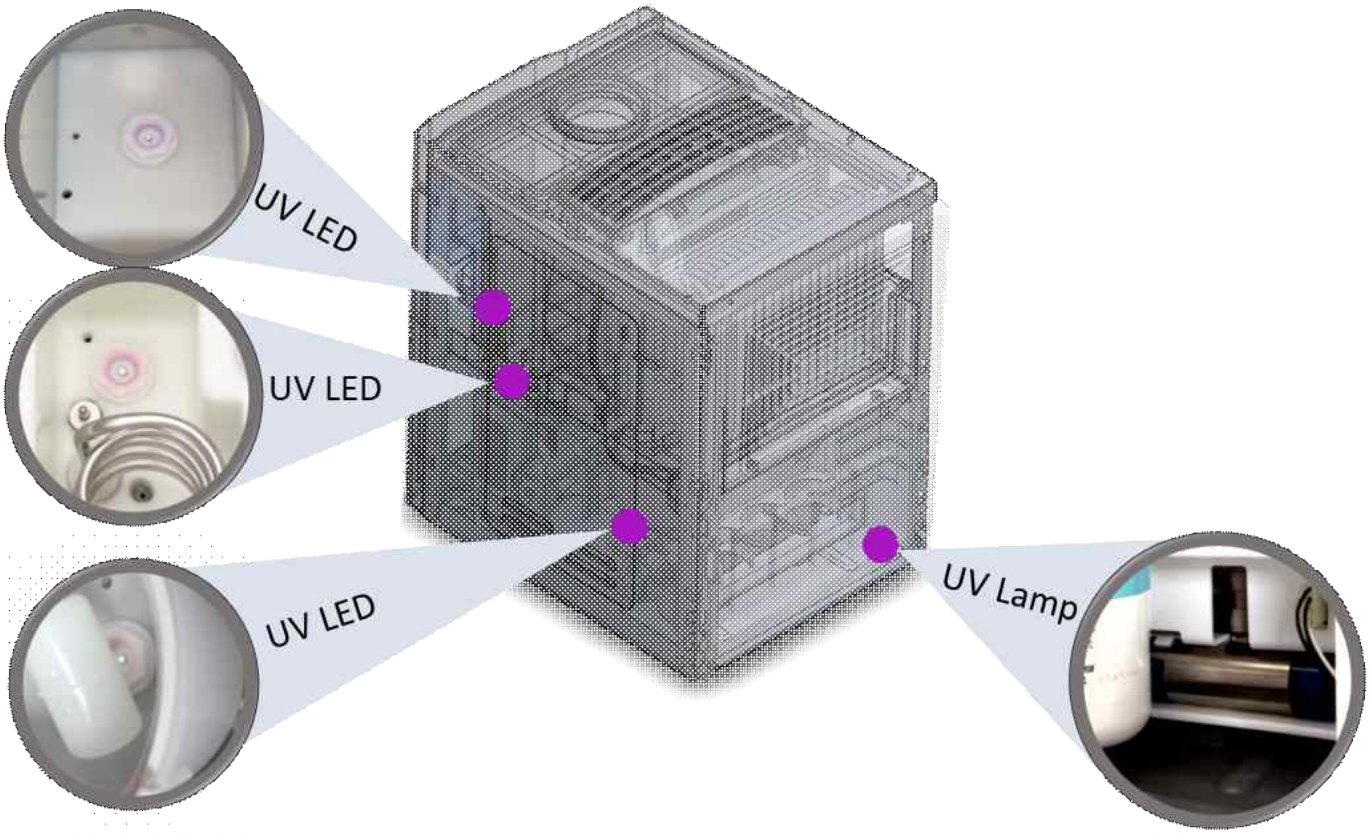
AD5pro2 Characteristics (Water filter)

AD5pro2 3 stages Water filter system provide clean, pure and healthy water.

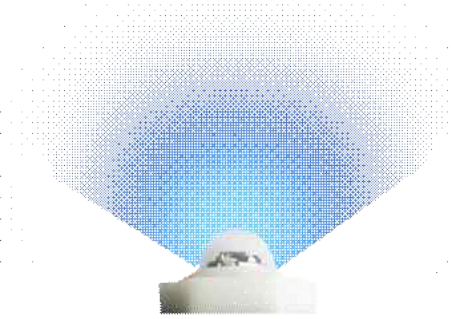


AD5pro2 Characteristics (UV Lamp & LED)

AD5pro2 UV LED & LAMP combination system protect created and stored water fro m the 2nd contamination.

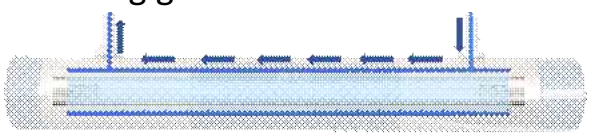


Embedded 10 mW UVC LED
(3 UVC LEDs in Main tank,
Cold tank and collecting tank)
- Keep water clean, pure and healthy during storing water.



110 degrees lighting angle
99.9 % sterilization efficiency
(10,000 CUF/ml to 0 in 20 minutes)
275 wavelength

On-line 11 W UV lamp
- Keep water clean, pure and healt hy during both collecting and circul ating g water



Immediate on-line UV sterilization
99.9 % sterilization efficiency
(1.5 liters/minute water flow rate)

Application examples of AD5pro2

Bedroom

Kitchen

Advertisement

Thailand, Signboard on Bangkok main street

France media advertisement

Thailand, Environment Exhibition

Vietnam workshop for military supply contract

UAE, Sharaf DG Time Squre Center mall

ADpro1000 for industrial use (Produce about 1,000 liters/ day)

For Oil platform, Military, Agriculture, Village, Resort, Hotel & wherever drinking water is scarce.

General Specification

Dimension	1700 x 1400 x 1940 (mm)
Weight	980 Kg
Power	380 VAC 3 Phase 12 KWh
Filter System	3 Stages PR2.5 HEPA Air filter 3 Stages Cartridge Water filter Double combination UV Sterilizer
Storage	Total 600 liters

- About 1,000 liters of great tasting drinking water per day, from the air, effortlessly.
- Auto shutdown mechanism allows easy installation of bacteria-control system.
- Uses 100% outside air.
- Auto water dispenser control
- Various dispensing well is available

Water Making Capacity Table of ADpro1000

Temp \ Humid	50 %	60 %	70 %	80 %	90 %
15 °C	192	312	408	528	624
25 °C	384	552	720	830	936
30 °C	504	600	744	840	960
40 °C	840	1008			

Daily Water Production in Lab (liters / day)

ADpro1000 for industrial use (Produce about 1,000 liters/ day)

Specification of Standard ADpro1000

1. Unit Frame: POSMAC
   * Stainless steel AISI 304 with Electric Power Coating (option)

2. Storage capacity:
   Inner Tank: 600 liters (Stainless steel or Polyethylene)
   * Outside Tank: 1,000 liters (Polyethylene) (option)

3. Movable option – Fork lift
   * Conor Hook for easy transportation (option)

4. Power Supply:
   - AC 380V 50Hz 3 Phase
     * Operate by Solar power Generator (option)
   - Power consumption: Less than 26 kW/hr
   - Noise level: 64 db

5. Water Production capacity (Liter/24hrs)
   - 1000 liters maximum at optimum working condition
   - Working Temperature: 15 ~ 45℃ / 20-100% UR
   - Working Relative humidity: 30 ~ 100%
   - Refrigerating Gas: R410a (internationally compliant to environmental friendly)

6. Controlling system
   - 10” Touch screen with PLC
   - Android OS system
   - Remote monitoring system
   - Safety Option: Phase Protection / phase-sequence Protection / Delay Protection
     High & Low-Pressure Protection / Overheat & Overload Protection /
     Automatic air & water filter exchange alarming Protection
     Water flow regulator & overflow Protection / EC Fan RPM regulation Protection

7. Water Purification, Disinfection, and Quality
   - Air filter: 3 layers E11 grade HEPA filter
   - Water filter: 3 stages Micro + Carbon (+ Mineral) + Ultra membrane
   - Sterilizer: 1 Ozone + 1 UV lamp + 3 UV LED + 24 hours Periodical Circulation system
   - Water quality standard : Compliant with WHO water standard

Standard feature of ADpro1000

Touch screen operational control system (OS system)
- Automatic control for whole system
(Refrigerant system, Water flow , air and water filtration system, Sel f error detecting system, auto shutdown function etc.)

Posmac or Stainless Steel pipes, case and bases
- Posmac (SUS material) shows high corrosion resistance and durabi lity in humid and salty areas. Most of all components are made of St ainless steel.

Inter-lock filter system
- The large capacity filter system has enough to filter more than 1,00 0 liters of water per day. Replacement process is very easy and simpl e and clear to check the replacement cycle.

3 steps Air filter system
- Metal and aluminum framed air filter system is consist of 3 steps. H EPA 11 grade filtering system remove almost all air pollutants which i s bigger than 2.5 micron size, even Corona virus droplets.

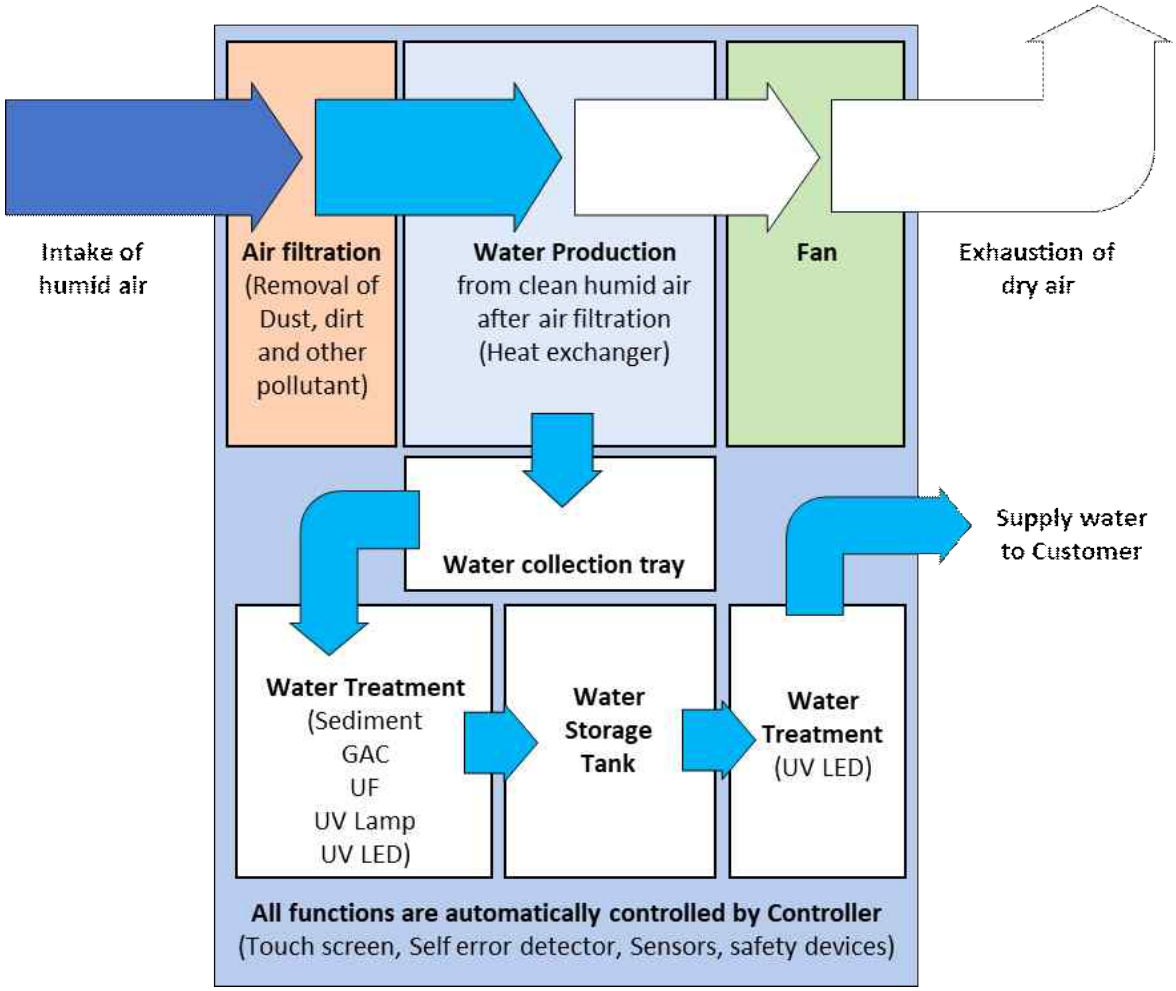
Double UV Sterilization system
- Two UV lamp & LED sterilization system were applied to perfectly k eep water clean and clean from bacterial contamination that may oc cur during the water generating process and storage, water supply.

Various way to take water
- Provide various water dispensing type. Cup, bottle and taps on dem and.

Availability to connect separate power source
- With low power consumption, independent power supply such as S olar system can be applied to install at isolated area where electricit y and water are not supplied.

Images of ADpro1000 V.x)

Overall layout of AD series industrial AWG unit



Summary of Water Generating process

1. Intake of humid air - Humid air streams through the air-intake system.
2. Air Filtration - Air passes through an air treatment system where 3 layers of air filters r emove larger than 2.5 micron sized floating particles in the air.
3. Water production - The water vapor in the air is condensed by cooling air closed to th e dewpoint and converted to water.
4. Exhaustion of dry air by fan - Dry air which moisture has been removed by water prod uction system is discharged to the outside by fan.
5. Water Treatment - Collected water is purified by 3 steps of water filters and sterilized by 2 steps of UV system. This system keep water clean and safe during storage and suppl y of water. Minerals or other essential nutrients can be added, if required.
6. Supply water – Customer can take water through various dispensing form such as tap, gun valve, large diameter pipe valve, etc.

Application examples of industrial ATC AWG

ADpro industrial series can be installed and applied to wherever water is required.

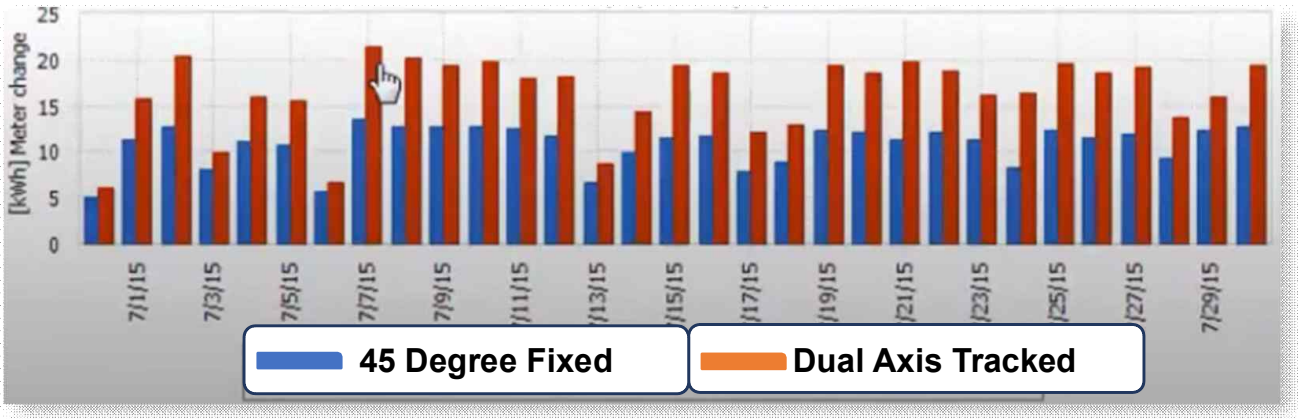
ADPV40K 2 Axis Solar Power Generator System

ADPV-40K operate the ADpro1000 at isolated area where the electricity is not serviced

Number of motion axis	-	2 axis
Tracking algorithm	-	Real time solar-position tracking
Azimuth angle	-	0~220 degree
Elevation angle	-	20 ~ 80 degree
PV panel	-	Total 40 KW (70 sets of module)
Battey	-	Total 13,200 A (66 sets of batteries)

2 Axis Solar Power Generator System

Comparison of efficiency (Fixed and Tracked type)



Dual Axis Tracking system

Daily power generation time: 6 hours
Daily generated power:240 kW

Fixed Type system

Daily power generation time: 3.5 hours
Daily generated power:140 kW

Water Quality Test Result (USA)

Status	Contaminant	Results	Units	National Standards		Min. Detection Level
			Microbiologicals			
✓	Total Coliform by P/A	Total Coliform and E.coli were ABSENT in this sample.				
			Inorganic Analytes - Metals			
✓	Aluminum	ND	mg/L	0.2	EPA Secondary	0.1
✓	Arsenic	ND	mg/L	0.010	EPA Primary	0.005
✓	Barium	ND	mg/L	2.00	EPA Primary	0.30
✓	Cadmium	ND	mg/L	0.005	EPA Primary	0.002
✓	Calcium	ND	mg/L	--		2.0
✓	Chromium	ND	mg/L	0.100	EPA Primary	0.010
✓	Copper	ND	mg/L	1.300	EPA Action Level	0.004
✓	Iron	ND	mg/L	0.300	EPA Secondary	0.020
✓	Lead	ND	mg/L	0.015	EPA Action Level	0.002
●	Magnesium	0.10	mg/L	--		0.10
✓	Manganese	ND	mg/L	0.050	EPA Secondary	0.004
✓	Mercury	ND	mg/L	0.002	EPA Primary	0.001
●	Nickel	0.030	mg/L	--		0.020
✓	Potassium	ND	mg/L	--		1.0
✓	Selenium	ND	mg/L	0.050	EPA Primary	0.020
●	Silica	0.260	mg/L	--		0.100
●	Silver	0.042	mg/L	--		0.002
✓	Sodium	ND	mg/L	--		1
●	Zinc	0.027	mg/L	5.000	EPA Secondary	0.004
			Physical Factors			
✓	Alkalinity (Total as CaCO3)	ND	mg/L	--		20
✓	Hardness	ND	mg/L	100	NTL Internal	10
✓	Total Dissolved Solids	ND	mg/L	500	EPA Secondary	20
✓	Turbidity	ND	NTU	1.0	EPA Action Level	0.1

Water Quality Test Result (USA)

Status	Contaminant	Results	Units	National Standards		Min. Detection Level
			Inorganic Analytes - Other			
✓	Chloride	ND	mg/L	250.0	EPA Secondary	5.0
✓	Fluoride	ND	mg/L	4.0	EPA Primary	0.5
✓	Nitrate as N	ND	mg/L	10.0	EPA Primary	0.5
✓	Nitrite as N	ND	mg/L	1.0	EPA Primary	0.5
✓	Ortho Phosphate	ND	mg/L	--		2.0
✓	Sulfate	ND	mg/L	250.0	EPA Secondary	5.0
			Organic Analytes - Trihalomethanes			
✓	Bromodichloromethane	ND	mg/L	--		0.002
✓	Bromoform	ND	mg/L	--		0.004
✓	Chloroform	ND	mg/L	--		0.002
✓	Dibromochloromethane	ND	mg/L	--		0.004
✓	Total THMs	ND	mg/L	0.080	EPA Primary	0.002
			Organic Analytes - Volatiles			
✓	1,1,1,2-Tetrachloroethane	ND	mg/L	--		0.002
✓	1,1,1-Trichloroethane	ND	mg/L	0.200	EPA Primary	0.001
✓	1,1,2,2-Tetrachloroethane	ND	mg/L	--		0.002
✓	1,1,2-Trichloroethane	ND	mg/L	0.005	EPA Primary	0.002
✓	1,1-Dichloroethane	ND	mg/L	--		0.002
✓	1,1-Dichloroethene	ND	mg/L	0.007	EPA Primary	0.001
✓	1,1-Dichloropropene	ND	mg/L	--		0.002
✓	1,2,3-Trichlorobenzene	ND	mg/L	--		0.002
✓	1,2,3-Trichloropropane	ND	mg/L	--		0.002
✓	1,2,4-Trichlorobenzene	ND	mg/L	0.070	EPA Primary	0.002
✓	1,2-Dichlorobenzene	ND	mg/L	0.600	EPA Primary	0.001
✓	1,2-Dichloroethane	ND	mg/L	0.005	EPA Primary	0.001
✓	1,2-Dichloropropane	ND	mg/L	0.005	EPA Primary	0.002
✓	1,3-Dichlorobenzene	ND	mg/L	--		0.001

Water Quality Test Result (USA)

Status	Contaminant	Results	Units	National Standards		Min. Detection Level
✓	1,3-Dichloropropane	ND	mg/L	--		0.002
✓	1,4-Dichlorobenzene	ND	mg/L	0.075	EPA Primary	0.001
✓	2,2-Dichloropropane	ND	mg/L	--		0.002
✓	2-Chlorotoluene	ND	mg/L	--		0.001
✓	4-Chlorotoluene	ND	mg/L	--		0.001
✓	Acetone	ND	mg/L	--		0.01
✓	Benzene	ND	mg/L	0.005	EPA Primary	0.001
✓	Bromobenzene	ND	mg/L	--		0.002
✓	Bromomethane	ND	mg/L	--		0.002
✓	Carbon Tetrachloride	ND	mg/L	0.005	EPA Primary	0.001
✓	Chlorobenzene	ND	mg/L	0.100	EPA Primary	0.001
✓	Chloroethane	ND	mg/L	--		0.002
✓	Chloromethane	ND	mg/L	--		0.002
✓	cis-1,2-Dichloroethene	ND	mg/L	0.070	EPA Primary	0.002
✓	cis-1,3-Dichloropropene	ND	mg/L	--		0.002
✓	DBCP	ND	mg/L	--		0.001
✓	Dibromomethane	ND	mg/L	--		0.002
✓	Dichlorodifluoromethane	ND	mg/L	--		0.002
✓	Dichloromethane	ND	mg/L	0.005	EPA Primary	0.002
✓	EDB	ND	mg/L	--		0.001
✓	Ethylbenzene	ND	mg/L	0.700	EPA Primary	0.001
✓	Methyl Tert Butyl Ether	ND	mg/L	--		0.004
✓	Methyl-Ethyl Ketone	ND	mg/L	--		0.01
✓	Styrene	ND	mg/L	0.100	EPA Primary	0.001
✓	Tetrachloroethene	ND	mg/L	0.005	EPA Primary	0.002
✓	Tetrahydrofuran	ND	mg/L	--		0.01
✓	Toluene	ND	mg/L	1.000	EPA Primary	0.001
✓	trans-1,2-Dichloroethene	ND	mg/L	0.100	EPA Primary	0.002

Water Quality Test Result (USA)

Status	Contaminant	Results	Units	National Standards		Min. Detection Level
✓	trans-1,3-Dichloropropene	ND	mg/L	--		0.002
✓	Trichloroethene	ND	mg/L	0.005	EPA Primary	0.001
✓	Trichlorofluoromethane	ND	mg/L	--		0.002
✓	Vinyl Chloride	ND	mg/L	0.002	EPA Primary	0.001
✓	Xylenes (Total)	ND	mg/L	10.000	EPA Primary	0.001
			Organic Analytes - Others			
✓	2,4-D	ND	mg/L	0.070	EPA Primary	0.010
✓	Alachlor	ND	mg/L	0.002	EPA Primary	0.001
✓	Aldrin	ND	mg/L	--		0.002
✓	Atrazine	ND	mg/L	0.003	EPA Primary	0.002
✓	Chlordane	ND	mg/L	0.002	EPA Primary	0.001
✓	Dichloran	ND	mg/L	--		0.002
✓	Dieldrin	ND	mg/L	--		0.001
✓	Endrin	ND	mg/L	0.0020	EPA Primary	0.0001
✓	Heptachlor	ND	mg/L	0.0004	EPA Primary	0.0004
✓	Heptachlor Epoxide	ND	mg/L	0.0002	EPA Primary	0.0001
✓	Hexachlorobenzene	ND	mg/L	0.0010	EPA Primary	0.0005
✓	Hexachlorocyclopentadiene	ND	mg/L	0.050	EPA Primary	0.001
✓	Lindane	ND	mg/L	0.0002	EPA Primary	0.0002
✓	Methoxychlor	ND	mg/L	0.040	EPA Primary	0.002
✓	PCB	ND	mg/L	0.0005	EPA Primary	0.0005
✓	Pentachloronitrobenzene	ND	mg/L	--		0.002
✓	Silvex 2,4,5-TP	ND	mg/L	0.050	EPA Primary	0.005
✓	Simazine	ND	mg/L	0.004	EPA Primary	0.002
✓	Toxaphene	ND	mg/L	0.003	EPA Primary	0.001
✓	Trifluralin	ND	mg/L	--		0.002

Water Quality Test Result (CANADA)

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Report Transmission Cover Page

Bill To:	AWG International Manufacturing	Project:	
Report To:	AWG International Manufacturing	ID:	
	7721 East Trent Avenue	Name:	R2500 Cal/Carbon
	Spokane, WA, United States	Location:	
	99212-8000	LSD:	
Attn:	K. White	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID:	**1006474**
Control Number:	
Date Received:	Jun 6, 2014
Date Reported:	Jun 11, 2014
Report Number:	1922334

Contact & Affiliation	Address	Delivery Commitments
K. White AWG International Manufacturing	7721 East Trent Avenue Spokane, Washington 99212-8000 Phone: (604) 230-5633 Fax: null Email: keith@awginternational.com	On [Report Approval] send (Test Report) by Email - Single Report On [Lot Approval and Final Test Report Approval] send (Invoice) by Email - Single Report On [Lot Creation] send (COR) by Email - Single Report

Notes To Clients:

- Temperature of sample 1006474-1 on arrival was 3.5 °C.
- The analysis of water sample 1006474-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the August 2012 Guidelines for Canadian Drinking Water Quality for the parameters tested.
- Sample 1006474-1; 4759886 pH analysis was performed past the recommended holding time of 15 minutes from sample collection.

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Analytical Report

Bill To: AWG International Manufacturing
Report To: AWG International Manufacturing
7721 East Trent Avenue
Spokane, WA, United States
99212-8000
Attn: K. White
Sampled By:
Company:

Project:
ID:
Name: R2500 Cal/Carbon
Location:
LSD:
P.O.:
Acct code:

Lot ID: **1006474**
Control Number:
Date Received: Jun 6, 2014
Date Reported: Jun 11, 2014
Report Number: 1922334

Reference Number	1006474-1
Sample Date	June 06, 2014
Sample Time	10:18
Sample Location	
Sample Description	R2500 Cal/Carbon
Sample Matrix	Drinking Water

Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Metals Extractable						
Aluminum	Extractable	mg/L	0.008	0.005	0.1	Below OG
Antimony	Extractable	mg/L	0.0005	0.0002	0.006	Below MAC
Arsenic	Extractable	mg/L	0.0062	0.0002	0.010	Below MAC
Barium	Extractable	mg/L	0.004	0.001	1	Below MAC
Boron	Extractable	mg/L	0.012	0.005	5	Below MAC
Cadmium	Extractable	mg/L	<0.00007	0.00007	0.005	Below MAC
Chromium	Extractable	mg/L	<0.0005	0.0005	0.05	Below MAC
Copper	Extractable	mg/L	<0.001	0.001	1.0	Below AO
Lead	Extractable	mg/L	<0.0001	0.0001	0.01	Below MAC
Selenium	Extractable	mg/L	<0.0006	0.0006	0.01	Below MAC
Uranium	Extractable	mg/L	<0.0005	0.0005	0.02	Below MAC
Vanadium	Extractable	mg/L	0.0001	0.0001		
Zinc	Extractable	mg/L	<0.001	0.001	5.0	Below AO
Microbiological Analysis						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1.0	1.0	0 per 100 mL	Below MAC
Physical and Aggregate Properties						
Colour	Apparent	Colour units	12	5		
Turbidity		NTU	1.6	0.02		
Routine Water						
pH	at 25 °C		7.61		6.5-8.5	Within AO
Electrical Conductivity		µS/cm at 25 C	114	1		
Calcium	Extractable	mg/L	20.3	0.1		
Iron	Extractable	mg/L	<0.005	0.005	0.3	Below AO
Magnesium	Extractable	mg/L	0.61	0.1		
Manganese	Extractable	mg/L	0.001	0.001	0.05	Below AO
Potassium	Extractable	mg/L	0.3	0.1		
Silicon	Extractable	mg/L	0.55	0.05		
Sodium	Extractable	mg/L	1.7	0.1	200	Below AO
T-Alkalinity	as CaCO3	mg/L	55	5		
Chloride	Dissolved	mg/L	0.74	0.05	250	Below AO
Fluoride	Dissolved	mg/L	0.02	0.01	1.5	Below MAC
Nitrate - N	Dissolved	mg/L	<0.01	0.01	10	Below MAC
Nitrite - N	Dissolved	mg/L	<0.01	0.01	1	Below MAC

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Analytical Report

Bill To:	AWG International Manufacturing	Project:	
Report To:	AWG International Manufacturing	ID:	
	7721 East Trent Avenue	Name:	R2500 Cal/Carbon
	Spokane, WA, United States	Location:	
	99212-8000	LSD:	
Attn:	K. White	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID:	**1006474**
Control Number:	
Date Received:	Jun 6, 2014
Date Reported:	Jun 11, 2014
Report Number:	1922334

Reference Number	1006474-1
Sample Date	June 06, 2014
Sample Time	10:18
Sample Location	
Sample Description	R2500 Cal/Carbon
Sample Matrix	Drinking Water

Analyte		Units	Result	Nominal Detection Limit	Guideline Limit	Guideline Comments
Routine Water - Continued						
Sulfate (SO4)	Dissolved	mg/L	<0.5	0.5	500	Below AO
Hardness	as CaCO3	mg/L	53	1		
Total Dissolved Solids	Extractable	mg/L	58	1		

Approved by:

Mathieu Simoneau
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).
Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

Exova
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Methodology and Notes

Bill To:	AWG International Manufacturing	Project:		Lot ID:	**1006474**
Report To:	AWG International Manufacturing	ID:		Control Number:	
	7721 East Trent Avenue	Name:	R2500 Cal/Carbon	Date Received:	Jun 6, 2014
	Spokane, WA, United States	Location:		Date Reported:	Jun 11, 2014
	99212-8000	LSD:		Report Number:	1922334
Attn:	K. White	P.O.:			
Sampled By:		Acct code:			
Company:					

Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Alk, pH, EC, Turb in water (Surrey)	APHA	* Alkalinity - Titration Method, 2320 B	06-Jun-14	Exova Surrey
Alk, pH, EC, Turb in water (Surrey)	APHA	* Conductivity, 2510 B	06-Jun-14	Exova Surrey
Alk, pH, EC, Turb in water (Surrey)	APHA	* pH - Electrometric Method, 4500-H+ B	06-Jun-14	Exova Surrey
Anions by IEC in water (Surrey)	APHA	* Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B	09-Jun-14	Exova Surrey
Apparent Color (Surrey)	APHA	* Spectrophotometric - Single Wavelength Method, 2120 C	07-Jun-14	Exova Surrey
Metals SemiTrace (Extractable) in water (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	09-Jun-14	Exova Surrey
Total and E-Coli - Colilert - DW (Surrey)	APHA	Enzyme Substrate Test, APHA 9223 B	06-Jun-14	Exova Surrey
Trace Metals (extractable) in Water (Surrey)	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	09-Jun-14	Exova Surrey
Turbidity - Water (Surrey)	APHA	* Turbidity - Nephelometric Method, 2130 B	07-Jun-14	Exova Surrey

** Reference Method Modified*

References

APHA	Standard Methods for the Examination of Water and Wastewater
US EPA	US Environmental Protection Agency Test Methods

Guidelines

Guideline Description	Health Canada GCDWQ
Guideline Source	Guidelines for Canadian Drinking Water Quality, Health Canada, August 2012
Guideline Comments	MAC = Maximum Acceptable Concentration AO = Aesthetic Objective OG = Operational Guideline for Water Treatment Plants Refer to Health Canada GCDWQ for complete guidelines and additional drinking water information at www.hc-sc.gc.ca

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Methodology and Notes

Bill To:	AWG International Manufacturing	Project:	
Report To:	AWG International Manufacturing	ID:	
	7721 East Trent Avenue	Name:	R2500 Cal/Carbon
	Spokane, WA, United States	Location:	
	99212-8000	LSD:	
Attn:	K. White	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID:	**1006474**
Control Number:	
Date Received:	Jun 6, 2014
Date Reported:	Jun 11, 2014
Report Number:	1922334

Comments:

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- The analysis of water sample 1006474-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the August 2012 Guidelines for Canadian Drinking Water Quality for the parameters tested.

- Sample 1006474-1; 4759886 pH analysis was performed past the recommended holding time of 15 minutes from sample collection.

NORWEST LABS

Analytical Report

Norwest Labs
#104, 19575-55 A Ave.
Surrey, BC. V3S 8P8
Phone: (604) 514-3322
Fax: (604) 514-3323

Bill to:
Report to:

Attn:
Sampled By:
Company:

Project ID:
Name: E-5 + E-10
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 377617
Control Number:
Date Received: Apr 25, 2005
Date Reported: Apr 29, 2005
Report Number: 690631

NWL Number	377617-2
Sample Date	Apr 25, 2005 10:30:00AM
Sample Description	E-10
Sample Matrix	Water - Potable

Analyte		Units	Result	Detection Limit	Guideline Limit	Guideline Comments
Metals Extractable						
Aluminum	Extractable	mg/L	<0.005	0.005	0.1	Acceptable
Antimony	Extractable	mg/L	<0.0002	0.0002	0.006	Pass
Arsenic	Extractable	mg/L	<0.0002	0.0002	0.025	Pass
Barium	Extractable	mg/L	<0.001	0.001	1	Pass
Boron	Extractable	mg/L	0.02	0.002	5	Pass
Cadmium	Extractable	mg/L	<0.00001	0.00001	0.005	Pass
Chromium	Extractable	mg/L	<0.0005	0.0005	0.05	Pass
Copper	Extractable	mg/L	<0.001	0.001	1	Acceptable
Lead	Extractable	mg/L	<0.0001	0.0001	0.01	Pass
Uranium	Extractable	mg/L	<0.0005	0.0005	0.02	Pass
Zinc	Extractable	mg/L	0.002	0.001	5	Acceptable
Microbiological Analysis						
Total Coliforms	Enzyme Substrate Test	MPN/100 mL	<1.0	1	<1	Pass
Escherichia coli	Enzyme Substrate Test	MPN/100 mL	<1	1	<1	Pass
Heterotrophic Count - Aerobic	SimPlate	MPN/mL	2	2	500	Acceptable
Physical and Aggregate Properties						
Colour	Apparent, Potable	Colour units	<5	5	15	Acceptable
Turbidity		NTU	0.3	0.1	5	Acceptable
Temperature	As Received	°C	16.0	-		n/a
Routine Water						
pH			6.76	-	6.5 - 8.5	Acceptable
Sodium	Extractable	mg/L	4.4	0.4	200	Acceptable
Iron	Extractable	mg/L	<0.03	0.03	0.3	Acceptable
Manganese	Extractable	mg/L	<0.005	0.005	0.05	Acceptable
Chloride	Dissolved	mg/L	5.8	0.4	250	Acceptable
Fluoride		mg/L	<0.05	0.05	1.5	Pass
Nitrate - N		mg/L	1.39	0.01	10	Pass
Nitrite - N		mg/L	0.05	0.005	1	Pass
Sulfate (SO4)		mg/L	<0.9	0.9	500	Acceptable
T-Alkalinity	as CaCO3	mg/L	7	5		Low
Total dissolved solids		mg/L	20	1	500	Acceptable

Please Note: Related regulatory criteria are provided as a service to clients. Norwest Labs' responsibility is limited to analytical data. We are not responsible for ensuring that listed criteria are current, scientifically valid, appropriate and sufficient for the user of the data.

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Laboratoire habilité pour la vérification du respect des exigences de qualité des matériaux et objets placés au contact des eaux.

Laboratoire Accrédité sous le n° 1-0685
cofrac
ESSAIS
Portée disponible sur www.cofrac.fr

Rapport d'essais n° : 12 ACC NY 090

Rapport d'essais de vérification de l'inertie des accessoires placés au contact des eaux destinées à la consommation humaine

*****

Protocole défini dans la norme XP P 41-280

Accessoire testé :	Nom commercial : Fontaine à eau atmosphérique - AD-5
	Nature et destination : Fontaine à eau atmosphérique
	Référence Laboratoire : 12 ACC NY 090
(*)Trempage de l'accessoire (XP P 41-280) :	Date de réception de l'accessoire : 10 février 2011
	Date de début des essais : 28 février 2012
	Date de fin des essais : 29 février 2012
	Surface / volume : 3 cm^2/L
	Température de réalisation des essais : 20+/- 3°C

eurofins Environnement

Référence laboratoire : 12 ACC NY 090

Date : Avril 2012

Accessoire : Fontaine à eau atmosphérique - AD-5

Essais Organoleptiques

(selon la norme expérimentale AFNOR XP P 41-250-1/Déc. 2001)
TEST QUANTITATIF (NF EN 1622)

(*) ODEUR EAU MINERALISEE CHLOREE 1 mg/L	(*) SAVEUR EAU MINERALISEE CHLOREE 1 mg/L
Néant	Néant

Demande en Chlore

(selon la norme expérimentale AFNOR XP P 41-250-1/Déc. 2001)

PARAMETRES	EAU MINERALISEE CHLOREE 1 mg/L	
	CONSOMMATION	VALEUR MAXIMALE ADMISSIBLE
Consommation en Chlore Libre (NF T 90-037)	*	25 %
Consommation en Chlore Total (NF T 90-037)	*	/

* Non mesurée du fait de la présence d'éléments métalliques

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Référence laboratoire : 12 ACC NY 090 **Date : Avril 2012**

Accessoire : Fontaine à eau atmosphérique - AD-5

Paramètres Physico-Chimiques

(selon norme expérimentale AFNOR XP P 41-250-1 / Déc. 2001)

PARAMETRES		TEMOIN Analyse n° C12-08672-D01	ECHANTILLON EAU MINERALISEE CHLOREE 1 mg/L Analyse n° C12-08672-D02
(*) Conductivité (NF EN 27-888)	µS/cm	583	584
(*) pH (NF T 90-008)	Unité pH	7,60	7,65

(*)Carbone Organique Total

(selon la norme expérimentale AFNOR XP P 41-250-1/Déc. 2001et la norme EN 1484)

TEMOIN Analyse n° C12-08672-D01	ECHANTILLON EAU MINERALISEE CHLOREE 1 mg/L Analyse n° C12-08672-D02	AUGMENTATION	AUGMENTATION MAXIMALE ACCEPTABLE
< 0,50 mg/L	< 0,50 mg/L	< 0,50 mg/L	+ 1,00 mg/L

Micropolluants Organiques

(selon norme expérimentale XP P 41-250-2 / Déc. 2001)

		TEMOIN Analyse n° C12-08672-D01	ECHANTILLON EAU MINERALISEE CHLOREE 1 mg/L Analyse n° C12-08672-D02
Profil en GC-MS (XP P 41-250-2)	µg/L	Aucun pic semi-quantifié à plus de 1 µg/L	
Hydrocarbures Halogénés Hautement Volatils	µg/L	< LQ (1)	< LQ
Composés Organiques Volatils	µg/L	< LQ	< LQ

(1) LQ : Limites de Quantification - Cette mention s'applique à l'ensemble des molécules recherchées sauf indication spécifique (nom et concentration de la molécule détectée). Les limites de quantification sont spécifiées pour chaque molécule en annexe A.

Maud LANÇON
Responsable Alimentarité des Matériaux

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Annexe A

Limites de quantification

COMPOSE RECHERCHE	METHODE	LIMITE DE QUANTIFICATION
Hydrocarbures halogénés hautement volatils		
(*) Bromoforme	NF EN ISO 15680	0,50 µg/L
(*) Chloroforme	NF EN ISO 15680	0,50 µg/L
(*) Dibromochlorométhane	NF EN ISO 15680	0,50 µg/L
(*) Dichlorobromométhane	NF EN ISO 15680	0,50 µg/L
1,1-dichloroéthylène	NF EN ISO 15680	0,50 µg/L
1,2-dichloroéthylène cis	NF EN ISO 15680	0,50 µg/L
(*) 1,2-dichloroéthylène trans	NF EN ISO 15680	0,50 µg/L
1,1-dichloroéthane	NF EN ISO 15680	1,0 µg/L
(*) 1,2-dichloroéthane	NF EN ISO 15680	0,50 µg/L
Dichlorométhane	NF EN ISO 15680	10 µg/L
(*) Trichloroéthylène	NF EN ISO 15680	0,50 µg/L
(*) Tétrachloroéthylène-1,1,2,2	NF EN ISO 15680	0,50 µg/L
(*) Tétrachlorure de carbone	NF EN ISO 15680	0,50 µg/L
(*) 1,1,1-trichloroéthane	NF EN ISO 15680	0,50 µg/L
Composés Organiques Volatils		
(*) Benzène	NF EN ISO 15680	0,20 µg/L
(*) Monochlorobenzène	NF EN ISO 15680	0,20 µg/L
(*) 1,2-dichlorobenzène	NF EN ISO 15680	0,50 µg/L
(*) 1,3-dichlorobenzène	NF EN ISO 15680	0,50 µg/L
(*) 1,4-dichlorobenzène	NF EN ISO 15680	0,50 µg/L
(*) Ethyl-benzène	NF EN ISO 15680	0,20 µg/L
(*) Toluène	NF EN ISO 15680	0,20 µg/L
Styrène	NF EN ISO 15680	0,50 µg/L
(*) Xylène OMP	NF EN ISO 15680	0,60 µg/L
1,2,3-triméthylbenzène	NF EN ISO 15680	0,20 µg/L
(*) 1,2,4-triméthylbenzène	NF EN ISO 15680	0,20 µg/L
(*) 1,3,5-triméthylbenzène	NF EN ISO 15680	0,20 µg/L
Naphtalène	NF EN ISO 15680	0,5 µg/L
Acétate d'éthyle	NF EN ISO 15680	10 µg/L
Méthyl éthyl cétone	NF EN ISO 15680	5,0 µg/L
Méthyl isobutyl cétone	NF EN ISO 15680	1,0 µg/L

JAPAN

発行No. I-020032085
発 行 日 2020年03月30日

水 質 検 査 成 績 書

飲料水水質検査業 山口県7水第2の3の4号
ゼオン山口㈱分析センター
山口県周南市那智町2番1号
TEL 0834－21－4314
FAX 0834－21－4655
検査責任者 早川 武徳

依頼者住所	下松市末武下西沖680-6			通知年月日	2020年03月30日
依頼者氏名	三和産業株式会社			電話	0833-41-3076
受付年月日	2020年03月24日	受付番号	2019-501	採水者氏名	小田 真由美
採水年月日	2020年03月24日	天候	晴れ	前回検査	****年月
採水場所	三和産業株式会社		水源の構造	*****	
水源の種類	***** ***** m		用途	*****用	

検査項目	単位	検査結果	水質基準
臭気	－	異常なし	異常でないこと
味	－	異常なし	異常でないこと
色度	度	1未満	5以下
濁度	度	1未満	2以下
pH値	－	7.0(22℃)	5．8～8．6
硝酸態窒素及び亜硝酸態窒素	mg/L	0.1未満	10以下
亜硝酸態窒素	mg/L	0.004未満	0．04以下
塩化物イオン	mg/L	1	200以下
有機物(全有機炭素(TOC)の量)	mg/L	0.3未満	3以下
カルシウム、ﾏｸﾞﾈｼｳﾑ等(硬度)	mg/L	3	300以下
鉄及びその化合物	mg/L	0.03未満	0．3以下
一般細菌	個/mL	30未満	100以下
大腸菌	－	陰性	検出されないこと

上記検査項目については、水質基準に 適合である。

上記項目は、既に使用されている飲用井戸水等についての定期検査項目です。
水道法では、この項目以外に有機塩素化合物(トリクロロエチレン、テトラクロロエチレン等)、重金属(水銀、鉛、カドミウム等)、農薬(シマジン、チウラム等)などがありますので必要に応じご相談下さい。
尚、新しく井戸等を使用される場合は、水道法に定める全項目検査(51項目)をおすすめします。

JAPAN

水質検査結果報告書

No. A2004755 - 001
2020 年 8 月 11 日

ATC JAPAN Co.,Ltd. 様

厚生労働大臣登録水質検査業者 第96号
建築物飲料水水質検査業者 長野県知事 第27号
〒390-1242 長野県松本[illegible]010-5
環境未来株式会社 総合検査センター
山梨検査センター 〒409-3845 [illegible]1-6-1
技術センター 〒385-0054 [illegible]2
北陸検査センター 〒920-0346 石川県金沢市[illegible]1-7-1

依頼者					
採水日時	2020 年 7 月 29 日	受付年月日	2020 年 7 月 30 日	種別	サーバー水
採水場所名（水道名等）	AD5pro2				
採水者	小田真由美				
天候	前日 曇 当日 曇	採水時の温度	室温 25 ℃	水温 — ℃	

貴依頼の試料についての検査の結果を次のとおり報告します。

検査項目	単位	検査結果	水質基準	検査項目	単位	検査結果	水質基準
一般細菌	CFU/mL	4	100 以下	トリクロロ酢酸	mg/L	0.002 未満	0.03 以下
大腸菌	—	不検出	検出されないこと	ブロモジクロロメタン	mg/L	0.001 未満	0.03 以下
カドミウム及びその化合物	mg/L	0.0003 未満	0.003 以下	ブロモホルム	mg/L	0.001 未満	0.09 以下
水銀及びその化合物	mg/L	0.00005 未満	0.0005 以下	ホルムアルデヒド	mg/L	0.008 未満	0.08 以下
セレン及びその化合物	mg/L	0.001 未満	0.01 以下	亜鉛及びその化合物	mg/L	0.005 未満	1.0 以下
鉛及びその化合物	mg/L	0.001 未満	0.01 以下	アルミニウム及びその化合物	mg/L	0.005 未満	0.2 以下
ヒ素及びその化合物	mg/L	0.001 未満	0.01 以下	鉄及びその化合物	mg/L	0.005 未満	0.3 以下
六価クロム化合物	mg/L	0.002 未満	0.02 以下	銅及びその化合物	mg/L	0.005 未満	1.0 以下
亜硝酸態窒素	mg/L	0.009	0.04 以下	ナトリウム及びその化合物	mg/L	0.1 未満	200 以下
シアン化物イオン及び塩化シアン	mg/L	0.001 未満	0.01 以下	マンガン及びその化合物	mg/L	0.005 未満	0.05 以下
硝酸態窒素及び亜硝酸態窒素	mg/L	0.04 未満	10 以下	塩化物イオン	mg/L	0.3	200 以下
フッ素及びその化合物	mg/L	0.05 未満	0.8 以下	カルシウム、マグネシウム等(硬度)	mg/L	1 未満	300 以下
ホウ素及びその化合物	mg/L	0.1 未満	1.0 以下	蒸発残留物	mg/L	10	500 以下
四塩化炭素	mg/L	0.0002 未満	0.002 以下	陰イオン界面活性剤	mg/L	0.02 未満	0.2 以下
1,4-ジオキサン	mg/L	0.005 未満	0.05 以下	ジェオスミン	mg/L	0.000001未満	0.00001以下
※ 1,2-ジクロロエチレン	mg/L	0.001 未満	0.04 以下	2-メチルイソボルネオール	mg/L	0.000001未満	0.00001以下
ジクロロメタン	mg/L	0.001 未満	0.02 以下	非イオン界面活性剤	mg/L	0.002 未満	0.02 以下
テトラクロロエチレン	mg/L	0.001 未満	0.01 以下	フェノール類	mg/L	0.0005 未満	0.005 以下
トリクロロエチレン	mg/L	0.001 未満	0.01 以下	有機物（全有機炭素（TOC）の量）	mg/L	0.3 未満	3 以下
ベンゼン	mg/L	0.001 未満	0.01 以下	pH値	—	6.5	5.8以上 8.6以下
塩素酸	mg/L	0.05 未満	0.6 以下	味	—	異常なし	異常でないこと
クロロ酢酸	mg/L	0.002 未満	0.02 以下	臭気	—	異常なし	異常でないこと
クロロホルム	mg/L	0.001 未満	0.06 以下	色度	度	0.5 未満	5 以下
ジクロロ酢酸	mg/L	0.002 未満	0.03 以下	濁度	度	0.1 未満	2 以下
ジブロモクロロメタン	mg/L	0.001 未満	0.1 以下			－以下余白－	
臭素酸	mg/L	0.001 未満	0.01 以下				
総トリハロメタン	mg/L	0.001 未満	0.1 以下				

判定	上記検査項目については、水道法の水質基準に適合しています。
備考	検査結果欄に未満と表示されている数値は定量下限値を示します。
検査期日	2020 年 7 月 30 日 ～ 2020 年 8 月 7 日
検査機関	環境未来株式会社 総合検査センター　検査責任者 小林路子
検査の方法	平成15年厚生労働省告示第261号

「※ 1,2-ジクロロエチレン」は「シス-1,2-ジクロロエチレン及びトランス-1,2-ジクロロエチレン」の略称です。

SINGAPORE

SETSCO

TEST REPORT

(This Report is issued subject to the terms & conditions set out below)

Setsco Services Pte Ltd
18 Teban Gardens Crescent
Singapore 608925
Tel : (65) 6566 7777
Fax: (65) 6566 7718
www.setsco.com
Business Reg. No. 199002269D

Your Reference No. : –
Our Reference No. : FB8500151301/A

Date : 18/03/2021

MICROBIAL ANALYSIS OF WATER

Tested For : [redacted]

Date Sample Received : 11/03/2021

Date Testing Commenced : 11/03/2021

Sample Description : Testing was performed by Setsco Services Pte Ltd for [redacted] with the following reference:

Sample ID No.	Sample Description
FB8500151301001	ATC – AD5 PRO2 AWG

Results : On analysis, the following results were obtained:

Determination		Test Method	Results	Specified Limits
Total Colony Count, 37°C, 48hrs	(cfu/ml)	APHA 9215 B	7	<100000
Total Coliform Count	(cfu/250ml)	APHA 9222 B	<1†	<1
Total Fecal Coliform Count	(cfu/250ml)	APHA 9222 D	<1†	<1
Total *Escherichia coli* Count	(cfu/250ml)	APHA 9222 G	<1†	<1
Fecal Streptococci	(cfu/250ml)	APHA 9230 C	<1†	<1
Pseudomonas aeruginosa	(cfu/250ml)	APHA 9213 E	<1†	<1
Sporulate sulphite-reducing anaerobes	(cfu/50ml)	BS EN 2646 : 1993	<1†	<1

Remarks:
1. APHA is a Standard Method for the Examination of Water and Wastewater (APHA : 23rd Edition : 2017)
2. † = Not Detectable (The reported values are less than (<) the detection limits of the test methods)
3. The tested results apply only to the sample as received by the laboratory.

DR WU JIEN
MANAGER

BIOLOGICAL & CHEMICAL TECHNOLOGY DIVISION

Test Report

(This Report is issued subject to the terms & conditions set out below)

SETSCO

Setsco Services Pte Ltd
18 Teban Gardens Cresent
Singapore 608925
Tel : (65) 6566 7777
Fax : (65) 6566 7718
www.setsco.com
Business Reg. No. 196900269D

Your Reference No. : -

Our Reference No. : FB8500151301/B

Date : 24/03/2021

CHEMICAL ANALYSIS OF WATER

Tested For : [redacted]

Date sample Received : 11/03/2021

Date Testing Commenced : 11/03/2021

Sample Description : Testing was performed by Setsco Services Pte Ltd for [redacted] with the following reference:

Sample ID No.	Sample Description
FB8500151301001	ATC – AD5 PRO2 AWG

Results Refer to Page 2 of 2

OOI SIEK MEI
CHEMIST

BIOLOGICAL & CHEMICAL TECHNOLOGY DIVISION

Water Quality Test Result (Singapore)

SETSCO

FB8500151301/B

Determination	Unit	Test Methods	Results	SFA Guideline for Drinking Water
Antimony as Sb	mg/L	APHA : Pt 3125B	Not detectable <0.005†	<0.02
Arsenic as As	mg/L	APHA : Pt 3125B	Not detectable <0.01†	<0.01
Bromate as BrO_3^-	mg/L	Ion Chromatography	Not detectable <0.01†	<0.01
Barium as Ba	mg/L	APHA : Pt 3120B	Not detectable <0.0003†	<1.3
Borate as B	mg/L	APHA : Pt 3120B	Not detectable <0.0015†	NA
Cadmium as Cd	mg/L	APHA : Pt 3120B	Not detectable <0.0012†	<0.003
Chromium as Cr	mg/L	APHA : Pt 3120B	Not detectable <0.003†	<0.05
Copper as Cu	ppm	APHA : Pt 3120B	Not detectable <0.0015†	<2
Cyanide as CN^-	mg/L	APHA : Pt 4500 CN^- (C)(N)(O) BCTD/Env/IHM0142/2018 (Rev 4)	Not detectable <0.005†	<0.07
Fluoride as F^-	mg/L	APHA : Pt 4500-F (C)	Not detectable <0.50†	<0.7
Lead as Pb	mg/L	APHA : Pt 3125B	Not detectable <0.01†	<0.01
Manganese as Mn	mg/L	APHA : Pt 3120B	Not detectable <0.0003†	<0.4
Mercury as Hg	mg/L	APHA : Pt 3112B	Not detectable <0.0001†	<0.006
Nickel as Ni	mg/L	APHA : Pt 3120B	Not detectable <0.0045†	<0.07
Nitrate as NO_3^-	mg/L	APHA : Pt 4500-NO_3(I)	0.60	<50
Nitrite as NO_2^-	mg/L	APHA : Pt 4500-NO_3 (B) (FIA)	0.13	<3
Organic Matter as COD	mg O_2/L	HACH Method 8000	Not detectable <3†	NA
Selenium as Se	mg/L	APHA : Pt 3125B	Not detectable <0.01†	<0.04
Sulphide as H_2S	mg/L	APHA : Pt 4500-S^{2-} (D)	Not detectable <0.02†	NA

Remarks:

1. APHA is a Standard Method for the Examination of Water and Wastewater (APHA : 23rd Edition : 2017)
2. † = Not Detectable (The reported values are less than (<) the detection limits of the test methods)
3. The tested results apply only to the sample as received by the laboratory.

OOI SIEK MEI
CHEMIST

BIOLOGICAL & CHEMICAL TECHNOLOGY DIVISION

Water Quality Test Result (Singapore)

Sample ID No.	Sample Description
FB8500151301001	ATC – AD5 PRO2 AWG

Results : On analysis, the following results were obtained:

Determination		Test Method	Results	Specified Limits
Total Colony Count, 37°C, 48hrs	(cfu/ml)	APHA 9215 B	7	<100000
Total Coliform Count	(cfu/250ml)	APHA 9222 B	<1†	<1
Total Fecal Coliform Count	(cfu/250ml)	APHA 9222 D	<1†	<1
Total *Escherichia coli* Count	(cfu/250ml)	APHA 9222 G	<1†	<1
Fecal Streptococci	(cfu/250ml)	APHA 9230 C	<1†	<1
Pseudomonas aeruginosa	(cfu/250ml)	APHA 9213 E	<1†	<1
Sporulate sulphite-reducing anaerobes	(cfu/50ml)	BS EN 2646 : 1993	<1†	<1

Determination	Unit	Test Methods	Results	SFA Guideline for Drinking Water
Antimony as Sb	mg/L	APHA : Pt 3125B	Not detectable <0.005†	<0.02
Arsenic as As	mg/L	APHA : Pt 3125B	Not detectable <0.01†	<0.01
Bromate as BrO_3^-	mg/L	Ion Chromatography	Not detectable <0.01†	<0.01
Barium as Ba	mg/L	APHA : Pt 3120B	Not detectable <0.0003†	<1.3
Borate as B	mg/L	APHA : Pt 3120B	Not detectable <0.0015†	NA
Cadmium as Cd	mg/L	APHA : Pt 3120B	Not detectable <0.0012†	<0.003
Chromium as Cr	mg/L	APHA : Pt 3120B	Not detectable <0.003†	<0.05
Copper as Cu	ppm	APHA : Pt 3120B	Not detectable <0.0015†	<2
Cyanide as CN^-	mg/L	APHA : Pt 4500 CN^- (C)(N)(O) BCTD/Env/IHM0142/2018 (Rev 4)	Not detectable <0.005†	<0.07
Fluoride as F^-	mg/L	APHA : Pt 4500-F (C)	Not detectable <0.50†	<0.7
Lead as Pb	mg/L	APHA : Pt 3125B	Not detectable <0.01†	<0.01
Manganese as Mn	mg/L	APHA : Pt 3120B	Not detectable <0.0003†	<0.4
Mercury as Hg	mg/L	APHA : Pt 3112B	Not detectable <0.0001†	<0.006
Nickel as Ni	mg/L	APHA : Pt 3120B	Not detectable <0.0045†	<0.07
Nitrate as NO_3^-	mg/L	APHA : Pt 4500-NO_3(I)	0.60	<50
Nitrite as NO_2^-	mg/L	APHA : Pt 4500-NO_3 (B) (FIA)	0.13	<3
Organic Matter as COD	mg O_2/L	HACH Method 8000	Not detectable <3†	NA
Selenium as Se	mg/L	APHA : Pt 3125B	Not detectable <0.01†	<0.04
Sulphide as H_2S	mg/L	APHA : Pt 4500-S^{2-} (D)	Not detectable <0.02†	NA

لابكو
LABCO

ilac-MRA IAS ACCREDITED TL-947

Test Report / تقرير التحليل

Client	Korean Products Co.	اسم العميل / المورد:
Client Address	Kuwait	عنوان العميل :
SRF No	LABCO/SRF/02639/2023	رقم نموذج إستلام العينة :
Sample Received On	08 Nov 2023	تاريخ الاستلام :
Date of Starting Test	08 Nov 2023	تاريخ البدء في التحليل
Date of Final Result	13 Nov 2023	تاريخ النسخة النهائية
Date of Issue	13 Nov 2023	تاريخ الاصدار

Sample Details / تفاصيل العينة

Type of sample	Water	نوع العينه
Sample Description by Client	Drinking water-(Water AD5 Pro2) from Atmospheric water generator	وصف العينة من قبل العميل
Packaging No /lot No	Sample - 01	رقم التغليف
Production Date	NA	تاريخ الإنتـــــــاج
Expiry Date	NA	تاريخ نهاية الصلاحيه
Sampling done by	Client	تم أخذ العينة بواسطة
Requested analysis	Chemistry and Microbiology	التحاليل المطلوبـه

Physical Observation / الملاحظة الفيزيائية

Sample Appearance	Water Sample in Glass Bottle	مظهر العينة
Impurities/Odor	No odor and no impurities noticed in the sample	الشوائب والرائحة

Parameters Tested / التحاليل المطلوبة

Sno رقم	Tests التحاليل	Test Method/Technique طريقة التحليل	Unit وحدةالقياس	Limits الحدود المسموح بها	Results النتائج	Uncertainty الارتياب	Test Status حالة التحليل
1	E.coli	USEPA1603:2014	cfu/100 mL	Zero(0) Tolerance	<1**	± 1.07	Acceptable
2	Free Residual Chlorine	APHA 4500-Cl2 G:2017	mg/L	0.2-0.5	0.24	± 0.02	Acceptable
3	pH*	APHA 4500 H+ B : 2017	-	6.5-8.5	7.2	±0.022	Acceptable
4	Sodium (Na)	EPA 200.8:1994	mg/L	200	1	-	Acceptable
5	Total alkalinity as NaOH*	APHA 2320 B:2017	mg/L	100	<5**	± 0.87	Acceptable
6	Total coliforms	API IA 9222B:2017 23rd Ed	cfu/100 mL	Zero(0) Tolerance	<1**	± 1.46	Acceptable
7	Total Dissolved solids (TDS)*	APHA 2540 C:2017	mg/L	1000	8	± 0.53	Acceptable
8	Total Hardness*	APHA 2340 C:2017	mg/L	500	<5**	± 1.21	Acceptable

Remarks	*All the analyzed chemical and microbiological parameters are within the recommended acceptable limits as per Kuwait EPA Appendix No.2 for Unbottled potable water Appendix of issue No. 1355 for, year 63 issued on 27/08/2017. **These parameters were not detected in the test conducted on the sample provided, the value indicated is notional as per the regulation related to the reporting of test values, prescribed in the applicable test methods."

All sample details are provided by the client

*Indicates the parameters are under accreditation.

Specific environmental conditions are mainted through out the entire sample analysis, such as controlled temperature (18 - 27°C), dust and contamination free atmosphere

The report is not considered final until it bears the company seal

The document is created digitally and signatures are digitally generated

Approved By:

Quality Control Manager : Bin Mohan Mohandas

Lab Manager : Dr.Alaa Bassiony Abbas

02639/2023/S001

Water Quality Test Result (Egypt)

National Research Centre
Analysis and Consultation Unit
Domain of Evaluation and Remediation of Hazardous Solid Waste

المركز القومي للبحوث
وحدة التحاليل والاستشارات
المجال الاستشاري لتقييم ومعالجة المخلفات الصلبة الخطرة

REPORT

From : World Trade Agency (LTD)
Sample Description : Water (AD5pro2)
Receiving Date: 24/2/2021 Result Date: 2/3/2021

Parameters	Unit	Results	Permissible Limits Decree No. 458/2007
Color	-----	Nil	Non
Turbidity	NTU	0.68	1
Odor	-----	Nil	Non
pH	----	6.81	6.5-8.5
Total Dissolved Solids (TDS)	mg/L	14	1000
Chloride (Cl-)	mg Cl-/L	7	250
Sulfate (SO_4^{2-})	mg SO_4^{2-}/L	Nil	150
Total Chlorine	mg Cl_2/L	< 0.5	5
Total Hardness	mg $CaCO_3$/L	< 5	500
Calcium Hardness	mg $CaCO_3$/L	< 5	350
Magnesium Hardness	mg $CaCO_3$/L	< 5	150
Calcium (Ca^{++})	mg Ca/L	< 2	-
Magnesium (Mg^{++})	mg Mg/L	< 2	-
Total Alkalinity	mg $CaCO_3$/L	< 5	-----
Ammonia (NH_3)	mg NH_3-N/L	< 0.3	0.5
Nitrites (NO_2^-)	mg NO_2^--N/L	< 0.002	0.2
Nitrates (NO_3^-)	mg NO_3^--N/L	< 0.1	45
Fluoride (F^-)	mg F/L	< 0.5	0.8
Cyanide	mg CN/L	< 0.002	0.05
Sodium (Na^+)	mg Na/L	8	200
Potassium (K^+)	mg K/L	Nil	----
Total bacterial count	cell/mL	Nil	50
Total coliform	MPN/100 mL	Nil	Nil
Fecal coliform	MPN/100 mL	Nil	Nil

Head of Domain

Hanan Sayed

Prof. Dr. Hanan S. Abdel-Rahman

33 El-Behouth Street, Dokki, Giza, Egypt
Tel:02- 01008417630

33 شارع البحوث – الدقي – الجيزة
فاكس : 02 -33371615 تلفون : 02 33370931

Water Quality Test Result (Egypt)

National Research Centre
Analysis and Consultation Unit
Center of Evaluation and Remediation of
Hazardous Solid Wastes

المركز القومي للبحوث
وحدة التحليل والاستشارات
المجال الاستشاري لتقييم ومعالجة المخلفات الصلبة
الخطرة

From : World Trade Agency (LTD)
Sample Description : Water (AD5pro2)
Receiving Date: 24/2/2021 Result Date: 2/3/2021

Parameter	Unit	Result	Permissible limit Decree No. 458/2007
Aluminum (Al)	mg Al/L	< 0.001	0.2
Arsenic (As)	mg As/L	< 0.001	0.1
Barium (Ba)	mg Ba/L	< 0.001	0.7
Boron (B)	mg B/L	< 0.001	0.5
Cadmium (Cd)	mg Cd/L	< 0.001	0.003
Chromium	mg Cu/L	< 0.001	0.05
Copper (Cu)	mg Cu/L	< 0.001	2
Iron (Fe)	mg Fe/L	< 0.001	0.3
Lead (Pb)	mg Pb/L	< 0.001	0.1
Manganese (Mn)	mg Mn/L	< 0.001	0.4
Mercury (Hg)	mg Hg/L	< 0.001	0.01
Molybdenum (Mo)	mg Mo/L	< 0.002	0.07
Nickel (Ni)	mg Ni/L	< 0.001	0.02
Selenium (Se)	mg Se/L	< 0.002	0.01
Zinc (Zn)	mg Zn/L	< 0.001	3

Head of Domain

Hanan Sayed

Prof. Dr. Hanan S. Abdel-Rahman

Water Quality Test Result (Indonesia)

LABHIDRO

LABORATORIUM KESEHATAN MASYARAKAT
L A B H I D R O

Jl. Raya Abianbase, Kapal, Mengwi - Badung
Telp. (0361) 9063321, 085 3380 88810, 081 856 0517
Email : lab.hidro@yahoo.com
IJIN No. : 1952/LAB/DPMPTSP/2018

Perihal INDONESIA :
Contoh berasal dari :

Kepada

Diambil Oleh : Petugas Labhidro
Diambil/ Diterima Tgl : 21 Pebruari 2020
No. Lab. : 813/ HDR /II/ 20

NO	UNSUR – UNSUR	METODE	SATUAN	KADAR MAKS YANG DI PERBOLEHKAN	HASIL PEMERIKSAAN
A.	**FISIKA**				
1	Bau	Organoleptis	-	Tidak berbau	Tidak berbau
2	Warna	Kolorimetri	TCU	15	4,0
3	Total Zat Padat Terlarut	Elektrometri	mg/l	500	28
4	Kekeruhan	Kolorimetri	NTU	5	0,31
5	Rasa	Organoleptis	-	Tidak berasa	Tidak berasa
6	Suhu	Pemuaian	°C	Suhu Udara ± 3 °C	34,5
B.	**KIMIA**				
1	Aluminium	AAS	mg/l	0,2	-
2	Besi	Phenantrolin	mg/l	0,3	0,08
3	Kesadahan	Titrasi	mg/l	500	18,29
4	Klorida	Titrasi	mg/l	250	16,24
5	Mangan	Kolorimetri	mg/l	0,4	<0,01
6	pH	Elektrometri	mg/l	6,5-8,5	8,19
7	Seng	Dhitizon	mg/l	3	Tidak terdeteksi
8	Sulfat	Turbidymetri	mg/l	250	<0,01
9	Tembaga	Dhitizon	mg/l	2	Tidak terdeteksi
10	Amonia	Nessler	mg/l	1,5	<0,01
11	Fluorida	SPADNS	mg/l	1,5	0,09
12	Kromium (Val. 6)	Diphenyl Carbazide	mg/l	0,05	<0,02
13	Kadmium	Dhitizon	mg/l	0,003	Tidak terdeteksi
14	Nitrit (Sebagai NO_2^-)	Kolorimetri	mg/l	3	0,077
15	Nitrat (Sebagai NO_3)	Brucine	mg/l	50	0,16
16	Sianida	Kolorimetri	mg/l	0,07	<0,05
17	Selenium	Kolorimetri	mg/l	0,01	-
	Parameter Mikrobiologi				
1	E.Coli	MPN	Jml per100 ml	0	-
2	Total Bakteri Koliform	MPN	Jml per100 ml	0	-

Peraturan Menteri Kesehatan
No. 492 / Menkes / Per / IV / 2010
Tanggal. 19 April 2010

Mengetahui,
Penanggung Jawab Lab Kesmas Labhidro

Theresia Ni Luh Putu Yeti, A.Md.K, S.T

Badung, 27 Pebruari 2020
Pemeriksa

Ni Kadek Dwi Adustari, A. Md. A.K

HASIL PENGUJIAN
RESULTS OF ANALYSIS

Nomor Contoh : 3569-AM
Sample Number

No. Laporan :3569-AM072020

No	Parameter	Hasil Uji *Test Results*	Standar Maksimal *Max. Standard*	Satuan *Unit*	Metoda Uji *Method of Analysis*
	FISIKA/*PHYSICAL*				
1.	Warna *Colour*	< 1	15	skala TCU	SNI 6989.80:2011
2.	Rasa *Taste*	Tidak Berasa	Tidak Berasa *Tasteless*	-	SNI 06-6859-2002
3.	Bau *Odor*	Tidak Berbau	Tidak Berbau *Odorless*	-	SNI 06-6860-2002
4.	Kekeruhan *Turbidity*	0.18	5	skala NTU	SNI 06-6989.25-2005
5.	Suhu *Temperature*	29.3	Suhu Udara ± 3°	°C	SNI 06-6989.23-2005
6.	Zat Padat Terlarut (TDS) *Total Dissolved Solid*	53.9	500	mg/L	IK 38 (Konduktometri)
	KIMIA/*CHEMICAL*				
7.	Derajat Keasaman (pH)* *pH Value*	7.7	6.5 - 8.5	-	SNI 06-6989.11-2004
8.	Kesadahan Jumlah *Total Hardness*	16.20	500	mg/L	SNI 06-6989.12-2004
9.	Klorida (Cl^-) *Chloride*	15.46	250	mg/L	SNI 6989.19: 2009
10.	Besi (Fe) *Iron*	< 0.155	0.3	mg/L	SNI 6989.4: 2009
11.	Mangan (Mn) *Manganese*	< 0.048	0.4	mg/L	SNI 6989.5: 2009
12.	Seng (Zn) *Zinc*	< 0.080	3	mg/L	SNI 6989.7:2009
13.	Nitrit (sbg-NO_2) *Nitrite by NO_2*	< 0.004	3	mg/L	SNI 06-6989.9-2004
14.	Nitrat (Sbg- NO_3) *Nitrate (By NO_3)*	< 0.185	50	mg/L	IK - 84 (Spektrofotometri)
15.	Ammonia (NH_3) *Ammonia*	0.27	1.5	mg/L	IK 37 (Spektrofotometri)
16.	Zat Organik sebagai $KMnO^4$ *Organic matter by $KMnO^4$*	0.20	10	mg/L	IK 22 (Titrimetri)
17.	Sulfat (SO_4^{2-}) *Sulfate*	2	250	mg/L	SNI 6989.20: 2009
18.	Sianida (CN) *Cyanide*	< 0.028	0.07	mg/L	IK 39 (Spektrofotometri)
19.	Fluorida (F) *Fluoride*	< 0.16	1.5	mg/L	IK 40 (Spektrofotometri)
20.	Aluminium (Al) *Aluminium*	0.080	0.2	mg/L	IK 42 (Spektrofotometri)
21.	Tembaga (Cu) *Copper*	< 0.007	2	mg/l	SNI 6989.6:2009
	MIKROBIOLOGI/*MICROBIOLOGICAL*				
22.	Total Koliform *Total Coliform*	0	0	Jumlah/100mL	IK 25 (Membran Filter)
23.	E. coli	0	0	Jumlah/100mL	IK 25 (Membran Filter)

Keterangan :
1. *Standar Acuan : Standar Air Minum Permenkes RI Nomor : 492/MENKES/PER/IV/2010*
   Standard of Reference : Drink Water Standard of Permenkes RI Nomor : 492/MENKES/PER/IV/2010
2. *Logam yang diperiksa adalah sebagai logam terlarut*
3. **: Nilai di Laboratorium*
4. *# : Nilai tidak sesuai standar*

Environment & Laboratory Co., Ltd.
40 Soi Liangmueangnonthaburi 13, Talad Kwan, Mueang, Nonthaburi 11000
Tel : 0-2969-0714, 0-2969-0130-1, 0-2526-1149 Fax : 0-2969-0715
Website : www.envilab.com E-mail : service@envilab.com

Analysis Report

Thailand

Customer Name :

Address :

Report No: 230307040

Tel :

Fax: -

Sampling Source : -

: -

Sampling Date : -

Sampling Method : Grab

Received Date : 07-Mar-23

Sampling By : Customer

Testing Date : Mar 7-14,2023

Approved Date : 15-Mar-23

Item	Unit	Method of Analysis	Result	
Sample Name			น้ำดื่ม	Standard
Sample Type			Water	
Analysis No.			230307040	
Sampling Time			-	
Physical Appearance			Clear	
pH at 25 deg C	-	APHA:4500-H(B)	7.0	6.5-8.5
#True Color	pt-Co	APHA:2120 B	<5	≤20
#Odour	TON	APHA:2150 B	ND	ND
#Turbidity	NTU	APHA:2130 B	0.11	≤5
#Iron	mg/L Fe	APHA:3120 B	<0.002	≤0.3
#Manganese	mg/L Mn	APHA:3120 B	0.005	≤0.05
#Copper	mg/L Cu	APHA:3120 B	<0.001	≤1.0
#Zinc	mg/L Zn	APHA:3120 B	0.014	≤5.0
#Aluminium	mg/L Al	APHA:3500-Al(B)	0.006	≤0.2
#Sulfate	mg/L SO4	APHA:4500-SO4(E)	0.1	≤250
#Chloride	mg/L Cl	APHA:4500-Cl(B)	<1	≤250
#Fluoride	mg/L F	APHA:4500-F(D)	0.020	≤0.7
#N-Nitrate	mg/L	APHA:4500-NO3(D)	0.7	≤4
#Total Hardness	mg/L CaCO3	APHA:2340 C	<2	≤100
#Total Solids	mg/L	APHA:2540 B	4	≤500
#Arsenic	mg/L As	ICP-Hydride	<0.001	≤0.05
#Cyanide	mg/L CN	APHA:4500-CN(B)	<0.02	≤0.1

Environment & Laboratory Co.,Ltd.

Approved By :

Alisa Songsawasd
Laboratory Manager

FTM48V1 - 5 February , 2010

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Analysis Report

Customer Name :

Address :

Report No: 230307040

Tel : Fax: -

Sampling Source : -

: -

Sampling Date : -

Sampling Method : Grab

Received Date : 07-Mar-23

Sampling By : Customer

Testing Date : Mar 7-14,2023

Approved Date : 15-Mar-23

Item	Unit	Method of Analysis	Result	
Sample Name			น้ำดื่ม	Standard
Sample Type			Water	
Analysis No.			230307040	
Sampling Time			-	
Physical Appearance			Clear	
#Lead	mg/L Pb	APHA:3120 B	<0.005	≤0.05
#Mercury,Total	mg/L Hg	ICP-Hydried	<0.0005	≤0.002
#Cadmium	mg/L Cd	APHA:3120 B	<0.001	≤0.005
#Selenium	mg/L Se	ICP-Hydride	<0.001	≤0.01
#Chromium,Total	mg/L Cr	APHA:3120 B	<0.001	≤0.05
#Silver	mg/L Ag	APHA:3120 B	<0.002	≤0.05
#Barium	mg/L Ba	APHA:3120 B	0.002	≤1.0
#Phenol	mg/L	APHA:5530 D	<0.001	≤0.001
#ABS	mg/L	APHA:5540 C	<0.005	≤0.2
#Coliform,Total	MPN/100 mL	APHA:9221 B	ND	<2.2
#E.coli	MPN/100 mL	APHA:9221 G	ND	ND
#S.aureus	/100 mL	APHA2012 : 9213 B	ND	ND
#Salmonella spp.	/100 mL	ISO 19250	ND	ND

Standard : ตามประกาศกระทรวงสาธารณสุขฉบับที่ 61 (พ.ศ.2524) และฉบับที่ 135 (พ.ศ.2534) และฉบับที่ 6 (พ.ศ.2553)เรื่องน้ำบริโภคในภาชนะบรรจุที่ปิดสนิท

Remark : APHA : Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition 2017

: " Test marked # in this report are not included in the TISI Accreditation Schedule for our Laboratory "

Environment & Laboratory Co.,Ltd.

Approved By :

Alisa Songsawasd
Laboratory Manager

QUATEST 3®

TỔNG CỤC TIÊU CHUẨN ĐO LƯỜNG CHẤT LƯỢNG
DIRECTORATE FOR STANDARDS, METROLOGY AND QUALITY
TRUNG TÂM KỸ THUẬT TIÊU CHUẨN ĐO LƯỜNG CHẤT LƯỢNG 3
QUALITY ASSURANCE AND TESTING CENTER 3

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49 Pasteur, Quận 1, Tp. Hồ Chí Minh, Việt Nam
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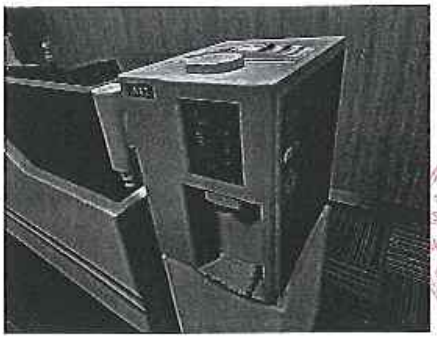
Khu Thí nghiệm / Testing Complex
Số 7 đường số 1, KCN Biên Hòa 1, Đồng Nai
Lô C5 đường K1, KCN Cát Lái, Tp. Thủ Đức, Tp. HCM
64 Lê Hồng Phong, Phường 2, Q. 5, Tp. Hồ Chí Minh

Số: 00288/N2.24/DG/2-1 Ngày 17/05/2024

THÔNG BÁO KẾT QUẢ GIÁM ĐỊNH

SAO Y BẢN CHÍNH
Ngày 7 tháng 6 năm 2024

1. Đơn vị yêu cầu :
2. Địa chỉ :
3. Nội dung yêu cầu : Lấy mẫu và phân tích chất lượng nước uống
4. Chỉ tiêu phân tích : Các chỉ tiêu quy định tại Phụ lục II và III – QCVN 06-1:2010/BYT
5. Giấy yêu cầu và nhận thẩm định/ giám định số: 00288/N2.24/DG ngày 19/04/2024
6. Địa điểm lấy mẫu : Số 46 Bạch Đằng, phường 2, quận Tân Bình, TPHCM
7. Vị trí lấy mẫu : Máy tạo nước từ không khí
   - Nhãn hiệu: ATC
   - Xuất xứ: Hàn Quốc
   - Model: AD-5 Pro2, Công suất: 280W, Công suất tạo nước: 20 L/ngày



CÔNG TY CỔ PHẦN KỸ THUẬT MÔI TRƯỜNG TINH TUỆ

PHÓ GIÁM ĐỐC
Bùi Thế Anh Thi

8. Thời điểm lấy mẫu : Ngày 23/04/2024 từ 10 giờ 30 phút đến 15 giờ
9. Phương pháp lấy mẫu : TCVN 6663-1:2011, TCVN 6663-3:2016 và TCVN 8880:2011
10. Kết quả giám định : *Xem chi tiết từ trang 2/3 đến 3/3.*

Ghi chú: Không được trích/ sao một phần Thông báo kết quả này nếu không được sự đồng ý bằng văn bản của Trung tâm Kỹ thuật 3.

GIÁM ĐỊNH VIÊN	GIÁM ĐỐC
Nguyễn Xuân Nam	Nguyễn Thái Hùng

TRUNG TÂM KỸ THUẬT TIÊU CHUẨN ĐO LƯỜNG CHẤT LƯỢNG 3

Số: 00288/N2.24/DG/2-1 Ngày 17/05/2024

KẾT QUẢ GIÁM ĐỊNH

Stt	Chỉ tiêu yêu cầu	Đơn vị	Phương pháp thử	Kết quả	Mức giới hạn tối đa cho phép (*)
1	Antimony (Sb)	mg/L	US EPA Method 200.8	< 0,005	0,02
2	Arsen (As)	mg/L		< 0,001	0,01
3	Bari (Ba)	mg/L		< 0,01	0,7
4	Bor (B)	mg/L		< 0,01	0,5
5	Bromat (BrO_3^-)	mg/L	SMEWW 4110 D:2023	< 0,004	0,01
6	Cadmi (Cd)	mg/L	US EPA Method 200.8	< 0,0005	0,003
7	Clor (Cl_2)	mg/L	TCVN 6225-2:2021	< 0,02	5
8	Clorat (Chlorate – ClO_3^-)	mg/L	SMEWW 4110 D:2023	< 0,01	0,7
9	Clorit (Chlorite – ClO_2^-)	mg/L		< 0,01	0,7
10	Crom (Cr)	mg/L	US EPA Method 200.8	< 0,003	0,05
11	Đồng (Cu)	mg/L		< 0,01	2
12	Cyanid (CN^-)	mg/L	TCVN 6181:1996	< 0,005	0,07
13	Fluorid (F^-)	mg/L	SMEWW 4110 B:2023	< 0,03	1,5
14	Chì (Pb)	mg/L	US EPA Method 200.8	< 0,003	0,01
15	Mangan (Mn)	mg/L		< 0,01	0,4
16	Thủy ngân (Hg)	mg/L		< 0,0002	0,006
17	Molybden (Mo)	mg/L		< 0,003	0,07
18	Nickel (Ni)	mg/L		< 0,003	0,07
19	Nitrat (NO_3^-)	mg/L	SMEWW 4110 B:2023	< 0,1	50
20	Nitrit (NO_2^-)	mg/L		0,1	3
21	Selen (Se)	mg/L	US EPA Method 200.8	< 0,003	0,01

Số: 00288/N2.24/DG/2-1 Ngày 17/05/2024

KẾT QUẢ GIÁM ĐỊNH

Stt	Chỉ tiêu yêu cầu	Đơn vị	Phương pháp thử	Kết quả	Mức giới hạn tối đa cho phép (*)
22	Escherichia coli	CFU/ 250 mL	ISO 9308 – 1:2014	< 1	Không phát hiện
23	Coliform tổng	CFU/ 250 mL		< 1	Không phát hiện
24	Streptococci feacal	CFU/ 250 mL	ISO 7899 -2:2000	< 1	Không phát hiện
25	Pseudomonas Aeruginosa	CFU/ 250 mL	ISO 16266:2006	< 1	Không phát hiện
26	Bào tử vi khuẩn kị khí khử sulfit	CFU/ 50 mL	ISO 6461 – 2:1986	< 1	Không phát hiện

Ghi chú: - *(*) Mức giới hạn tối đa cho phép quy định tại phụ lục II và III của QCVN 6-1:2010/BYT.*
- Kết quả phân tích được biểu thị "<1 CFU/thể tích mẫu phân tích" được xem là "không phát hiện vi sinh vật mục tiêu" trong mẫu được lấy.

Đánh giá:

Kết quả phân tích các chỉ tiêu của mẫu nước nêu trên ***phù hợp*** với mức quy định tương ứng tại QCVN 06-1:2010/BYT, phụ lục II và III.