

Master-AB

Portable Water Purifier



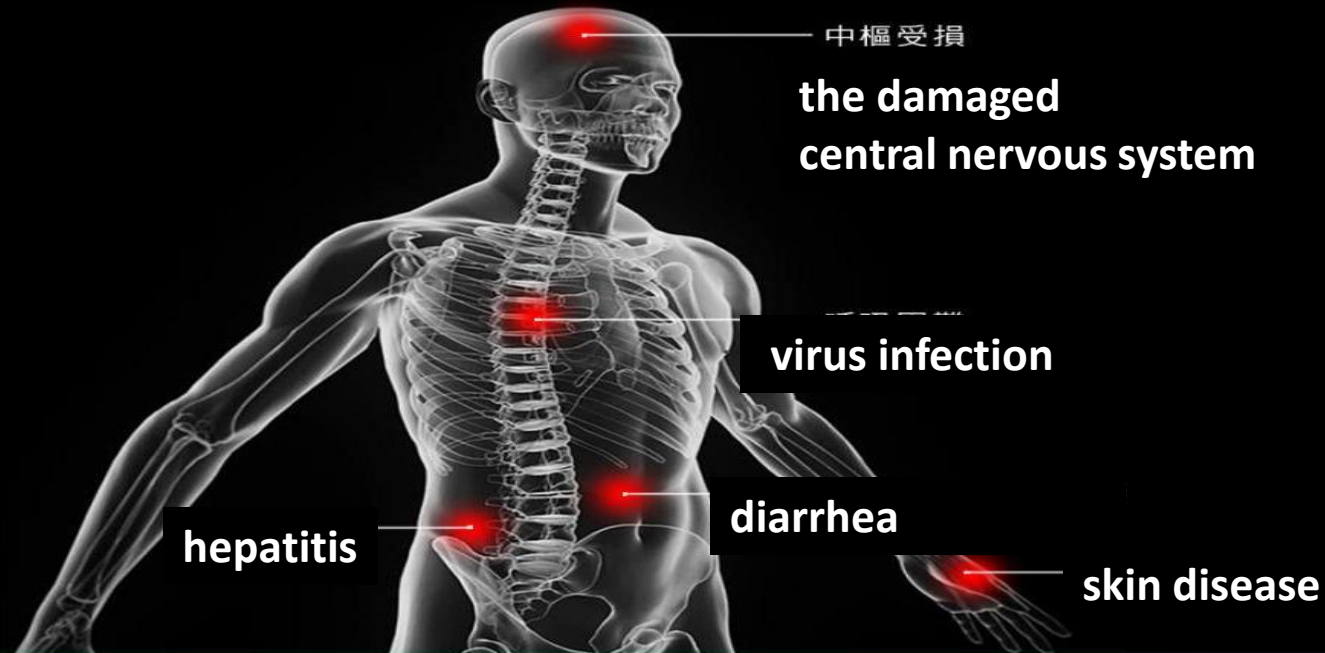
**MADE IN
TAIWAN**

**7.8 hundred million people of the world
without clean water**



**Unclean water result in
1.1 Million children died every year**

80 % diseases is cause by water pollution



Conventional water treatment plant is difficult to apply in remote area or developing country

Why Master-AB portable water purifier

We can filter pollutants others could not

**** Endocrine Disrupting Chemicals (EDCs)****

Not saying that other brands cannot filter EDCs, but saying Master-AB could **remove** much **more EDCs** than others.

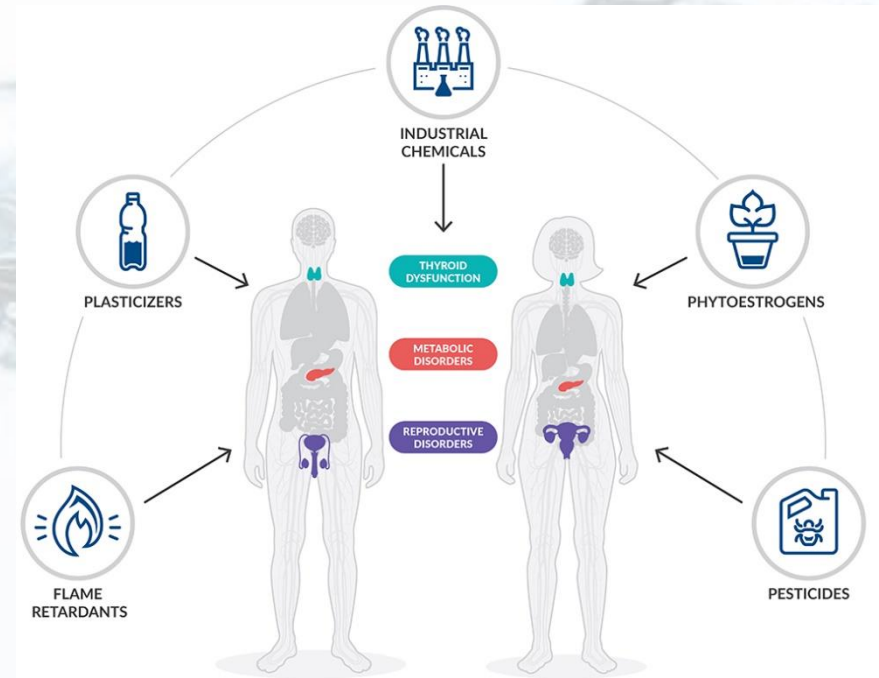
Many water purifiers in market do not include anti-EDCs function since EDCs seem not posing threat to human “right now”.

This is a huge mistake! Although EDCs may look harmless if only drink for a couple years, when damage is done, it is too late.

How much EDCs have you taken?

How many people have been affected?

Do your families be included in this drama & disaster?



Endocrine Disrupting Chemicals (EDCs)



Why does removing EDCs (endocrine disrupting chemicals) so important?

EDCs are **environmental hormones** that will **affect humans' endocrine systems** and cause **adverse health effects** slowly and quietly.

How do we expose to EDCs:

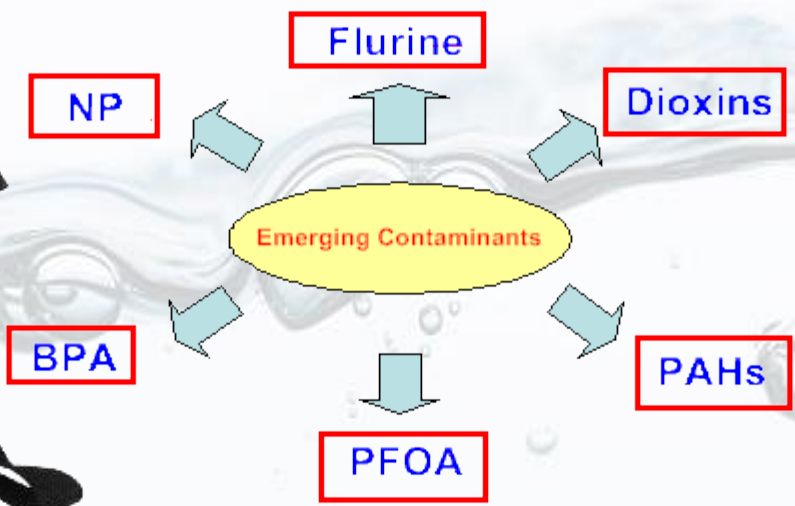
- **Water** - ingestion of water.
- **Air** - inhalation of gases and particles.
- Ingestion of **food** and dust through dermal (skin) uptake



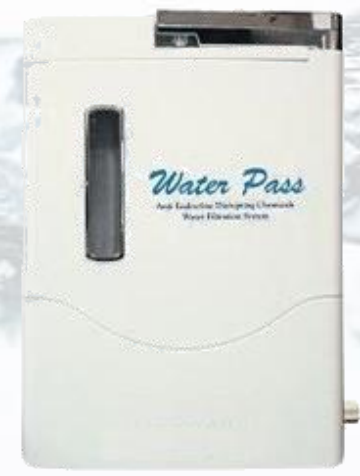
The project “**provision of information on endocrine disrupting chemicals**” was launched by **UNEP** in 2015 to:

- **Raise awareness** on reducing adverse effects of EDCs.
- **Strengthen information and international cooperation** in addressing the issue of EDCs.
- Build **capacity to implement** measures and reduction of EDCs.

To Solve Water Pollution ~ Endocrine Disrupting Chemicals



Home Drinking Water



Home-Used Purifier

Travel Outside Your Countries

Where there is safe drinking water?

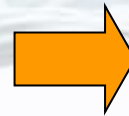


To Drink Safely ~ You can use

Tap Water or Water Turbidity < 500 NTU

- ★ Organic matters and foul smell
- ★ Chlorine 、 THMS
- ★ EDCs
- ★ Heavy Metals
- ★ E. Coli

- 慣性衝擊機構 (Impaction -impingement)*
- 遮蔽或篩除機構 (Interception or sieving)
- 微布朗擴散機構 (Brownian diffusion)*
- 靜電吸附機構 (Electrostatic attraction)
- 凝結機構 (Coalescence)



Portable Purifier



Clean Drinking water!

- Portable kettle
- Small Purifier
- Portable Purifier

3 in 1

Portable Water Combination Scheme

Tap Water or Water Turbidity < 500 NTU

- ★ Organic matters and foul smell
- ★ Chlorine 、 THMS
- ★ EDCs
- ★ Heavy Metals
- ★ E. Coli

Easily Take Out
Drinking Safely



~0.2 μm
Nano Filter

Portable Purifier

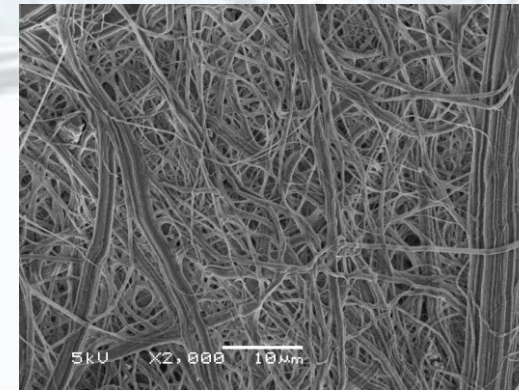
Portable Water Purifier System

Tap Water or Water Turbidity < 500 NTU

- ★ Organic matters and foul smell
- ★ Chlorine 、 THMS
- ★ EDCs
- ★ Heavy Metals
- ★ E. Coli



Antibacteria+Antimicrobe
+Anti-EDCs
Nano Fiber Membrane



Clean
Drinking
water



Step by step
Multiple filtration



Inner Structure of Portable Purifier Filter



Antibacterial+ Pre-Filter+ Anti-EDCs
+Precise-Membrane

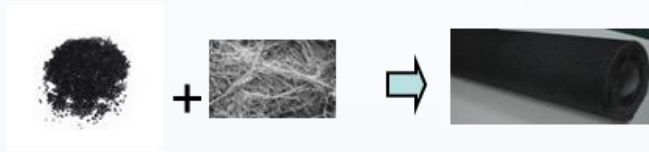
(Multi-Layer High-Effect Filtration)



Antibacterial : High-Tech Nano Silver Sputtering

Pre-Filter : 10 um+1 um+ Chitosan

Anti-EDCs :



Precise Filter Membrane : High-Polymer Precise
Filter Membrane

Precise Filtration

(~ 0.2 um)

NP Test Before



上準環境科技股份有限公司

SUN DREAM ENVIRONMENTAL TECHNOLOGY CORPORATION

Address : NO.41,36th Road Taichung Industrial Park,
Taichung,Taiwan

Case No : ERSD104H0052
TEL : (04)2358-2525
FAX : (04)2358-2020

Analytical Report

Client : Antibacteria International Co. Ltd

Sample ID : 4-Nonyl phenol pollution of raw water

Sample No : H1040122A

Sampling Organization : Antibacteria International Co. Ltd

Sampling Site : No.1154 Yung An Road, Tao Yuan, Tao Yuan, Taiwan 320

Sampling Date : Jan 22, 2015

Sample Receipt : 17:00 Jan 22, 2015

Report Date : Jan 30, 2015

Report No : R1040052H11

Analytical Item	Analytical Result	Analytical Method	Unit	Remark
n-Nonylphenol, n-NP	131	HPLC MS/MS	ppb	
The followed section is deleted on purpose				

Remark :

- 1.ND means the measurement value is less than the detection limit of that method. The detection limit and its unit (MDL) will also be marked.
- 2.“< the lowest concentration of calibration curve” means the measurement value is less than the lowest concentration of calibration curve and greater than MDL.
- 3.This report can only be applicable to this sample. Any reproduction or distribution will be prohibited without the permission of the publisher.

Approved by

Director of Lab:Chiang, Kuang-Hua

Approval Signatory:

Chiang Kuang-Hua

1/4

NP Test After



上準環境科技股份有限公司

SUN DREAM ENVIRONMENTAL TECHNOLOGY CORPORATION

Address : NO.41,36th Road Taichung Industrial Park,
Taichung,Taiwan

Case No : ERSD104H0052
TEL : (04)2358-2525
FAX : (04)2358-2020

Analytical Report

Client : Antibacteria International Co. Ltd

Sample ID : Filtrate coming from the 4-Nonyl phenol pollution of raw water treated by Master AB-Potable Water Purified System

Sample No : H1040122B

Sampling Organization : Antibacteria International Co. Ltd

Sampling Site : No.1154 Yung An Road, Tao Yuan, Tao Yuan, Taiwan 320

Sampling Date : Jan 22, 2015

Sample Receipt : 17:00 Jan 22, 2015

Report Date : Jan 30, 2015

Report No : R1040052H11

Analytical Item	Analytical Result	Analytical Method	Unit	Remark
n-Nonylphenol, n-NP	0.701	HPLC MS/MS	ppb	
The followed section is deleted on purpose				

Remark :

- 1.ND means the measurement value is less than the detection limit of that method. The detection limit and its unit (MDL) will also be marked.
- 2.“< the lowest concentration of calibration curve” means the measurement value is less than the lowest concentration of calibration curve and greater than MDL.
- 3.This report can only be applicable to this sample. Any reproduction or distribution will be prohibited without the permission of the publisher.

Approved by

Director of Lab:Chiang, Kuang-Hua

Approval Signatory:

Chiang Kuang-Hua

2/4



BPA Test Before



上準環境科技股份有限公司

SUN DREAM ENVIRONMENTAL TECHNOLOGY CORPORATION

Address : NO.41,36th Road Taichung Industrial Park,
Taichung,Taiwan

Case No : ERSD104H0052
TEL : (04)2358-2525
FAX : (04)2358-2020

Analytical Report

Client : Antibacteria International Co. Ltd

Sample ID : Plasticizer (Bisphenol A) pollution of raw water

Sample No : H1040122C

Sampling Organization : Antibacteria International Co. Ltd

Sampling Site : No.1154 Yung An Road, Tao Yuan, Tao Yuan, Taiwan 320

Sampling Date : Jan 22, 2015

Sample Receipt : 17:00 Jan 22, 2015

Report Date : Jan 30, 2015

Report No : R1040052H11

Analytical Item	Analytical Result	Analytical Method	Unit	Remark
Bisphenol A	5290	HPLC MS/MS	ppb	

The followed section is deleted on purpose

Remark :

- 1.ND means the measurement value is less than the detection limit of that method. The detection limit and its unit (MDL) will also be marked.
- 2.“< the lowest concentration of calibration curve” means the measurement value is less than the lowest concentration of calibration curve and greater than MDL.
- 3.This report can only be applicable to this sample. Any reproduction or distribution will be prohibited without the permission of the publisher.

Approved by

Director of Lab:Chiang, Kuang-Hua

Approval Signatory:

Chiang Kuang-Hua

3/4

BPA Test After



上準環境科技股份有限公司

SUN DREAM ENVIRONMENTAL TECHNOLOGY CORPORATION

Address : NO.41,36th Road Taichung Industrial Park,
Taichung,Taiwan

Case No : ERSD104H0052
TEL : (04)2358-2525
FAX : (04)2358-2020

Analytical Report

Sampling Date : Jan 22, 2015

Client : Antibacteria International Co. Ltd

Sample ID : Filtrate coming from the Plasticizer (Bisphenol A) pollution of raw water treated by Master AB-Potable Water Purified System

Sample No : H1040122D

Sampling Organization : Antibacteria International Co. Ltd

Sampling Site : No.1154 Yung An Road, Tao Yuan, Tao Yuan, Taiwan 320

Sample Receipt : 17:00 Jan 22, 2015

Report Date : Jan 30, 2015

Report No : R1040052H11

Analytical Item	Analytical Result	Analytical Method	Unit	Remark
Bisphenol A	0.207	HPLC MS/MS	ppb	

The followed section is deleted on purpose

Remark :

- 1.ND means the measurement value is less than the detection limit of that method. The detection limit and its unit (MDL) will also be marked.
- 2.“< the lowest concentration of calibration curve” means the measurement value is less than the lowest concentration of calibration curve and greater than MDL.
- 3.This report can only be applicable to this sample. Any reproduction or distribution will be prohibited without the permission of the publisher.

Approved by

Director of Lab:Chiang, Kuang-Hua

Approval Signatory:

Chiang Kuang-Hua

4/4



Test of Suspended Solid & Colouration & Turbidity



TEST REPORT

Report Number : 15-0303-037-01-A-2
Applicant : Antibacteria International Co., Ltd.
Tel : 03-3412627 ext.22
Fax : 03-2150460
Applicant Address : No. 1154, Yung-An Rd., Tou-Yuan City, Taiwan
Test Period : 2015/03/03 ~ 2015/03/13

送樣日期 Date Received : 2015/03/03
樣品名稱 Sample Name : Master AB-Potable Water Purified System
產品資訊 Sample Info : Master AB-Potable Water Purified System
報告日期 Date Issued : 2015/03/20

Item(s)	Removal rate (%)
Suspended Solid	>99.9
Colouration	>99.9
Turbidity	98.1%

以下空白

Method :

1. Suspended Solid :
NIEA W210.58A — Drying at 103°C ~ 105°C
2. Colouration :
NIEA W201.52B
3. Turbidity :
NIEA W219.52C

Authorized Representative :



1. Samples and names were provided by the client. The lab was responsible for analysis only.
2. The analysis results are only effective for the samples in this report.
3. The report is for reference only and not for commercial or legal purposes.
4. Contents of the report may only be reproduced in full. Partial copies may not be made without permission.
5. This report will be rendered invalid if altered.
6. N.D. means Non Detected.
7. Positive means Detected. Negative means Non Detected.

Test of Aerobic Plate Counts & Coliform & Minerals & Heavy Metals & Caffeine & Free Chlorine



檢測報告 TEST REPORT

報告編號 Report Number : 15-0303-037-01-A-1
申請單位 Applicant : 華宸國際企業有限公司
Antibacteria International Co., Ltd.
聯絡電話 Tel : 03-3412627 ext.22
傳真電話 Fax : 03-2150460
申請單位地址 Applicant Address : 330 桃園市永安路 1154 號
No. 1154, Yung-An Rd., Tou-Yuan City, Taiwan
檢驗日期 Test Period : 2015/03/03 ~ 2015/03/13

送樣日期 Date Received : 2015/03/03
樣品名稱 Sample Name : 藍金水手壺
產品資訊 Sample Info : 藍金水手壺
報告日期 Date Issued : 2015/03/20

檢測項目 Item(s)	去除率(%)
總生菌數 Aerobic Plate Counts	>99.9
大腸桿菌群 Coliform	>99.9
礦物質及重金屬 Minerals & Heavy Metals	
砷 (As) Arsenic	>99.9
鉛 (Pb) Lead	>99.9
汞 (Hg) Mercury	>99.9
鎘 (Cd) Cadmium	>99.9
咖啡因 Caffeine	>99.9
自由有效餘氯 Free Chlorine	99.7

~~~~以下空白~~~~

### 檢測方法：

- 總生菌數 Aerobic Plate Counts :  
行政院環境保護署，水中總菌落數檢測方法—混合稀釋法 (NIEA E204.55B)
- 大腸桿菌群 Coliform :  
行政院環境保護署，飲用水中大腸桿菌群檢測方法—濾膜法 (NIEA E230.55B)
- 礦物質及重金屬 Minerals & Heavy Metals :  
行政院環境保護署，水中金屬及微量元素檢測方法—感應耦合電漿質譜法 (NIEA W313.52B)
- 咖啡因 Caffeine :  
In house method
- 自由有效餘氯 Free Chlorine :  
In house method (UV)  
參考 Best, D.G., K. Earle de Casseres: Analyst 110, 221-222 (1985)

報告簽署人



*Excelchen*

- 本報告所用樣品與名稱係由委託單位提供，實驗室僅負責檢測。
  - 檢測結果僅對檢測樣品有效。
  - 本報告記載事項僅作為參考資料，不得作為任何商業推銷廣告及訴訟用。
  - 本報告內容未經授權不得部份複製，但完整複製除外。
  - 檢驗報告僅就委託檢驗者之委託事項提供檢驗結果，至於未產品之合法性，仍應由主管機關依法判斷。
  - 本報告僅對送檢樣品負責。
  - 檢驗結果為 N.D.(Non Detected) 表示未檢出。
  - 檢驗結果為陽性表示檢出，結果為陰性表示未檢出。
  - 本檢驗未涉及檢體抽樣，報告書僅對該送檢檢體負責。
- 實驗室地址: 80681 高雄市前鎮區南七路 3 號 3 樓 TEL:(07)8317000, FAX:(07)8313848

**檢測報告**  
**TEST REPORT**

報告編號 *Report Number* : 15-0303-037-01-A-2

送樣日期 *Date Received* : 2015/03/03

申請單位 *Applicant* : 華宸國際企業有限公司

樣品名稱 *Sample Name* : 藍金水手壺

Antibacteria International Co., Ltd.

聯絡電話 *Tel* : 03-3412627 ext.22

產品資訊 *Sample Info* : 藍金水手壺

傳真電話 *Fax* : 03-2150460

報告日期 *Date Issued* : 2015/03/20

申請單位地址 *Applicant Address* : 330 桃園市永安路 1154 號

No. 1154, Yung-An Rd., Tou-Yuan City, Taiwan

檢驗日期 *Test Period* : 2015/03/03 ~ 2015/03/13

| 檢測項目 <i>Item(s)</i>                                   | 去除率(%) |
|-------------------------------------------------------|--------|
| 塑化劑 9 項 <i>Plasticizer 9 items-</i>                   |        |
| 鄰苯二甲酸二乙酯 (DEP)<br>Diethyl phthalate                   | >99.9  |
| 鄰苯二甲酸二甲酯(DMP)<br>dimethyl phthalate                   | 87.5   |
| 鄰苯二甲酸二異丁酯(DIBP)<br>diisobutyl phthalate               | >99.9  |
| 鄰苯二甲酸二丁酯 (DBP)<br>Di-n-butyl phthalate                | >99.9  |
| 鄰苯二甲酸二(2-乙基己基)酯 (DEHP)<br>bis(2-Ethylhexyl) phthalate | 87.5   |
| 鄰苯二甲酸丁酯苯甲酯 (BBP)<br>Butyl benzyl phthalate            | >99.9  |
| 鄰苯二甲酸二異癸酯 (DIDP)<br>Diisodecyl phthalate              | 75.0   |
| 鄰苯二甲酸二異壬酯 (DINP)<br>Diisononyl phthalate              | 87.5   |
| 鄰苯二甲酸二正辛酯 (DNOP)<br>Di-n-octyl phthalate              | >99.9  |

~~~以下空白~~~

檢測方法：

參考衛生福利部公布之建議檢驗方法「食品中鄰苯二甲酸酯類之檢驗方法」(102年3月25日第2次修正)

Test of DEHP



報告簽署



- 1.本報告所用樣品與名稱係由委託單位提供，實驗室僅負責檢測分析。
- 2.檢測結果僅對檢測樣品有效。
- 3.本報告記載事項僅作為參考資料，不得作為任何商業推銷廣告及訴訟用。
- 4.本報告內容未經授權不得部份複製，但完整複製除外。
- 5.本報告未經委託檢驗者之委託事項提供檢驗結果，至於本產品之合法性，仍應由主管機關依法判斷。
- 6.本報告經塗改者無效。
- 7.結果為 N.D.(Non Detected)表未檢出。
- 8.本檢驗未涉及檢體抽樣，報告書僅對該送檢檢體負責。
- 9.結果為陽性表檢出，結果為陰性表未檢出。

Test of Pesticides



檢測報告 TEST REPORT

報告編號 Report Number : 15-0303-037-01-A-3

送樣日期 Date Received : 2015/03/03

申請單位 Applicant : 華宸國際企業有限公司

樣品名稱 Sample Name : 藍金水手壺

Antibacteria International Co., Ltd.

聯絡電話 Tel : 03-3412627 ext.22

產品資訊 Sample Info : 藍金水手壺

傳真電話 Fax : 03-2150460

報告日期 Date Issued : 2015/03/20

申請單位地址 Applicant Address : 330 桃園市永安路 1154 號

No. 1154, Yung-An Rd., Tou-Yuan City, Taiwan

檢驗日期 Test Period : 2015/03/03 ~ 2015/03/13

| 檢測項目 Item(s) | 去除率(%) |
|------------------------|--------|
| 新殺蟎 Bromopropylate | 95.5 |
| 賽洛寧 Lambda-Cyhalothrin | 92.2 |
| 百滅寧 Permethrin | 95.0 |
| 賽扶寧 Cyfluthrin | 92.4 |
| 待克利 Difenconazole | 96.8 |
| 益達胺 Imidacloprid | 89.7 |
| 加保扶 Carbofuran | 86.4 |

~~以下空白~~

檢測方法：

參考 103 年 7 月 3 日 部授食字第 1031900615 號公告修正 食品中殘留農藥檢驗方法—多重殘留分析方法(五)

報告簽署人




1. 本報告所用樣品與名稱係由委託單位提供，實驗室僅負責檢驗。

2. 檢測結果僅對檢測樣品有效。

3. 本報告記載事項僅作為參考資料，不得作為任何商業推銷廣告及訴訟用。

4. 本報告內容未經授權不得部份複製，但完整複製除外。

9. 檢驗報告僅就委託檢驗者之委託事項提供檢驗結果，至於本產品之合法性，仍應由主管機關依法判斷。

7. 結果為 N.D.(Non Detected) 表未檢出。

7. 結果為陽性表檢出，結果為陰性表未檢出。

8. 本檢驗未涉及檢驗抽樣，報告書僅對該送檢檢驗體負責。

Portable Purifier Filter

Conclusion

You can have Safe & Clean Water Everywhere in the World

Features

- Materials/TPR/Tritan/LDPE
- One filter can create 600L filtration water.
- Filter with high-tech NANO named coating-VHPC.
- **Filtered heavy metal, environmental hormones.**
(Ex: nonylphenol or plasticizer) bacterial 、 antibiotic 、 chlorine.
- With international certifications.
- Portable water bottle.
- Used for outdoor activities..... camping.
- Especially suitable for serious water pollution areas.





Safe and
Clean water