

LOCAL TEST REPORT

TEST REPORT

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Setesco Services Pte Ltd
18 Teban Gardens Crescent
Singapore 608925
Tel : (65) 6566 7777
Fax: (65) 6566 7718
www.setesco.com
Business Reg. No. 15690269D

Your Ref : -
Our Ref : EN81595/ELJ/2

Date : 16/01/2017
Page 1 of 1

Subject : Analysis of Water Sample submitted by Cuckoo International (S) Pte Ltd on 06/01/2017 and testing commenced on 06/01/2017.

Tested For : Cuckoo International (S) Pte Ltd
16 Keong Saik Road
Singapore 089123
Attn: Ms. Christine Tay

Sample Reference : One (01) water sample was received and labelled as follows :
"Model Name : Fusion Top CP-FN 60/HW (06/01/17, 9:25 am)".

RESULTS :

Determination	Units	Test Methods	Model Name : Fusion Top CP-FN 60/HW (06/01/17, 9:25 am)	Environmental Public Health (Quality of Piped Drinking Water) Regulations 2008	WHO Guideline Values (2011)
pH value at 22.2°C	-	APHA : Pt 4500-H ¹ (B)	7.8	6.5-9.5	-
Mercury as Hg	mg/L	APHA : Pt 3112B	<0.0001 [†]	0.006	0.006
Cyanide as CN ⁻	mg/L	APHA : Pt 4500-CN ⁻ (N)	<0.005 [†]	0.07	-
Sulphate as SO ₄	mg/L	APHA : Pt 4110B	21.2	-	-
Silver as Ag	mg/L	APHA : Pt 3120B	<0.0015 [†]	-	-
Calcium as Ca	mg/L	APHA : Pt 3120B	18.2	-	-
Potassium as K	mg/L	APHA : Pt 3120B	6.64	-	-
Magnesium as Mg	mg/L	APHA : Pt 3120B	1.43	-	-
Sodium as Na	mg/L	APHA : Pt 3120B	5.39	-	-
Lead as Pb	mg/L	APHA : Pt 3125B	<0.01 [†]	0.01	0.01
Cadmium as Cd	mg/L	APHA : Pt 3120B	<0.0012 [†]	0.003	0.003
Arsenic as As	mg/L	APHA : Pt 3125B	<0.01 [†]	0.01	0.01
Selenium as Se	mg/L	APHA : Pt 3125B	<0.01 [†]	0.01	0.040
Iron as Fe	mg/L	APHA : Pt 3120B	<0.0015 [†]	-	-
Manganese as Mn	mg/L	APHA : Pt 3120B	0.0028	-	-
Chromium as Cr	mg/L	APHA : Pt 3120B	<0.003 [†]	0.05	0.05
Zinc as Zn	mg/L	APHA : Pt 3120B	0.013	-	-
Copper as Cu	mg/L	APHA : Pt 3120B	<0.0015 [†]	2	2
Aluminium as Al	mg/L	APHA : Pt 3120B	0.054	0.1, 0.2 ⁽¹⁾	-
Clostridium Perfringenes	cfu/100mL	HPA online issue no. 3.1	<1 [†]	-	-
Fluoride as F ⁻	mg/L	APHA : Pt 4110B	0.49	0.7	1.5
Chloride as Cl ⁻	mg/L	APHA : Pt 4110B	19.5	-	-
Total E.coli	cfu/100mL	APHA : Pt 9222G	<1 [†]	<1	<1

Remarks:

1. APHA is a Standard Method for the Determination of Water and Waste Water (APHA 22nd Edition : 2012).
2. † = Not Detectable (The reported values are less than (<) the detection limits of the test methods).
3. ⁽¹⁾ = Code of Practice on Piped Drinking Water Sampling and Safety Plans.
Al controlled at 0.1 mg/L or less in large water treatment facilities that serve 10,000 or more people. (Applicable to all Singapore and Johore WW except PTWW).
Al controlled at 0.2 mg/L or less in small facilities that serve less than 10,000 people. (Applicable only to PTWW).



시험성적서

0079-4126-2948-9680

1. 성적서 번호 : CT14-044076
2. 의뢰자
 - 업체명 : 쿠쿠마이크로텍 주식회사
 - 주소 : 인천광역시 남동구 남동대로410번길 40 (남동동)
 - 의뢰일자 : 2014.04.11
 - 시험발급일 : 2014.04.24
3. 시험성적서의 용도 : 거래처 제출
4. 시료명 : CP-1501H, CP-1501S(탱크 살균력)
5. 시험방법
 - (1) KS I 180 8199:2008

Test Result from Korea Conformity Laboratories (KCL)

확인	작성자	김승희	기술책임자	이동국	y. k. lee
성명	성명	김승희	성명	이동국	

비고 : 1. 이 성적서는 의뢰자가 제시한 시료 및 시료명으로 시험한 결과로서 전체 제품에 대한 품질을 보증하지는 않습니다.
2. 이 성적서는 홍보, 언론, 광고 및 소송용으로 사용될 수 없으며, 영도 이외의 사용은 금합니다.

한국건설생활환경시험연구원



가산시험연구동 : 153-803 서울특별시 금천구 가산동 가산디지털1로 199 (가산동) 02-2102-2500
결과문의 : 환경분석센터 ☎ (02)2102-2599

☎ 24시간 ☎ 120117

양식QP-20-01-05(2)

시험성적서

성적서번호 : CT14-044076

6. 시험결과

1) CP-1501H, CP-1501S(코크 내부 살균력) - 조제수

시험항목	단위	시험방법	시험결과
대장균	CFU/mL	(1)	1100
황색포도상구균	CFU/mL	(1)	1000

2) CP-1501H, CP-1501S(코크 내부 살균력) - 코크 살균 후

시험항목	단위	시험방법	시험결과	제거율(%)
대장균	CFU/mL	(1)	0	> 99.9
황색포도상구균	CFU/mL	(1)	0	> 99.9

▶ 균주 : *Escherichia coli* ATCC 8739

Staphylococcus aureus ATCC 6538

▶ 의뢰자 제시

- ① 제시된 균주를 이용하여 코크 유로를 통하여 조제수를 채취하여 초기 균수 측정.
- ② 코크 살균 후 코크 유로를 통하여 조제수를 채취하여 균수 측정.
- ③ 살균 후 코크 유로부터 시료수를 채취하여 균수 측정.

99.9% Elimination of Colon bacillus & Staphylococcus aureus (Bacteria)

$$\text{제거율(\%)} = \frac{(\text{조제수 농도} - \text{시료수 농도})}{\text{조제수 농도}} \times 100$$

— 이 하 여 백 —



pH 6.5 - pH 9.5

WHO, Guidelines for Drinking-Water Quality, 2nd Edition, Volume 2: Health Criteria and Other Supporting Information

Low-Mineral Content Water is not Ideal Drinking Water

Frantisek Kozisek, Health Risks From Drinking Demineralised Water

No Contamination of Heavy Metals

WHO, Chapter 4, Guidelines for Drinking-Water Quality, 3rd Edition

Diseases can Spread Through Drinking Water

WHO, Chapter 7, Guidelines for Drinking-Water Quality, 4th Edition

CUCKOO

Average pH of 7.5

CUCKOO's mild-alkaline water has an average pH level of 7.5.

Mineral-Rich Alkaline Water

CUCKOO Water Purifiers are designed to dispense mild-alkaline water that is rich in minerals. (calcium, potassium, magnesium and sodium)

Free of Heavy Metals

Dangerous heavy metals, such as lead, cadmium and arsenic are filtered by CUCKOO's Nano Positive Filter

Eliminates 99.99% of Harmful Bacteria and Viruses

CUCKOO's state-of-the-art filtration system removes harmful bacteria and viruses from the water



CUCKOO has fulfilled the requirements of halal certificates and Korean authorities.
 All CUCKOO water filters have been awarded the JAKIM halal certificate and the Korean Religious Department.

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

K. M. F.

KOREA MUSLIM FEDERATION
 39 Usadam-ro 10gil, Yongsan-gu, Seoul 140-912, Korea
 Tel : (82-2) 793-6908, (82-2) 794-7307, Fax : (82-2) 798-9782
 www.koreaislam.org

KMF 15-46-2 May, 4, 2015

HALAL CERTIFICATION

TO WHOM IT MAY CONCERN

Halal Committee of Korea Muslim Federation hereby certifies that the products listed below mentioned have met the Halal requirements in accordance with the Islamic law.

1. CP-FN601HW
2. CP-FN601SW
3. CP-GN501HW
4. CP-INS01HW

Manufactured/ Distributed : CUCKOO ELECTRONICS CO., LTD.
 14 -YUSANGONGDAN 2-GIL, GYEONGSANGNAM-DO, KOREA

NANO MICRO TECH CO., LTD.
 183, Hoqupo-ro, Namdong-gu, Incheon, Korea

Valid until : May, 3, 2016

Yours in Islam *C10/6/7*

Hj. Hamid Choi, Youngkil *Ph.D* (Islamic Studies)
 • President of Korea Muslim Federation
 • Acting Chairman of the Halal Committee
 • Member of the Supreme Council of the World Muslim League
 for Mosques(Mecca, Saudi Arabia)



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 www.koreaislam.org

KMF 15-46-1 May, 4, 2015

HALAL CERTIFICATION

TO WHOM IT MAY CONCERN

Halal Committee of Korea Muslim Federation hereby certifies that the products listed below mentioned have met the Halal requirements in accordance with the Islamic law.

1. CP-EN101NW

Manufactured/ Distributed : CUCKOO ELECTRONICS CO., LTD.
 14 -YUSANGONGDAN 2-GIL, GYEONGSANGNAM-DO, KOREA


Valid until : May, 3, 2016

Yours in Islam *C10/6/7*

Hj. Hamid Choi, Youngkil *Ph.D* (Islamic Studies)
 • President of Korea Muslim Federation
 • Acting Chairman of the Halal Committee
 • Member of the Supreme Council of the World Muslim League
 for Mosques(Mecca, Saudi Arabia)



No. Standard :
 Standard No. :



KERAJAAN MALAYSIA
GOVERNMENT OF MALAYSIA

Sijil Pengesahan
CERTIFICATE OF AUTHENTICATION
HALAL

Adalah dengan ini diperakukan: It is hereby certified that:

1. FT 1001-SEDIMENT 8" FILTER
2. FT 1002-PRE CARBON 8" FILTER
3. FT 1003-NATURAL 8" FILTER
4. FT 1004-NANO POSITIVE 8" FILTER

yang dikeluarkan / diedarkan / dituruskan oleh: Manufactured / distributed / managed by:

CUCKOO INTERNATIONAL(MAL)SDN BHD
 G-17-1 & G 17-2
 LORONG BAYAN INDAH 1, BAY AVENUE,
 11900 BAYAN LEPAS, PULAU PINANG.

*telah mematuhi hukum syarak dan Standard Halal Malaysia dan diluluskan oleh Panel Pengesahan Halal
 has complied with Islamic Law and Malaysian Halal Standard and approved by Halal Certification Panel of*

MAJLIS AGAMA ISLAM NEGERI PULAU PINANG

No. Ruj / Ref No. :
 JAKIM(SJ)(22.00)49272/1 018-09/2015


Tarikh dikeluarkan / Date of issue :
 01 September 2015

Sah Sehingga / Valid until :
 31 Ogos 2020


Tarikh awal pengalihan / 1st date of issue :
 01 September 2015

res

Ketua Pengarah / Director General
 JABATAN KEMAJUAN ISLAM MALAYSIA
 DEPARTMENT OF ISLAMIC DEVELOPMENT MALAYSIA



No. Standard :
 Standard No. :



KERAJAAN MALAYSIA
GOVERNMENT OF MALAYSIA

Sijil Pengesahan
CERTIFICATE OF AUTHENTICATION
HALAL

Adalah dengan ini diperakukan: It is hereby certified that:

1. ELECTRICAL WATER PURIFIER

yang dikeluarkan / diedarkan / dituruskan oleh: Manufactured / distributed / managed by:

CUCKOO INTERNATIONAL(MAL)SDN BHD
 G-17-1 & G 17-2
 LORONG BAYAN INDAH 1, BAY AVENUE
 11900 DAERAH BARAT DAYA, PULAU PINANG

*telah mematuhi hukum syarak dan Standard Halal Malaysia dan diluluskan oleh Panel Pengesahan Halal
 has complied with Islamic Law and Malaysian Halal Standard and approved by Halal Certification Panel of*

MAJLIS AGAMA ISLAM PULAU PINANG

No. Ruj / Ref No. :
 JAKIM(SJ)(22.00)49272/1 018-09/2015


Tarikh dikeluarkan / Date of issue :
 01 September 2017

Sah Sehingga / Valid until :
 31 Ogos 2018

Tarikh awal pengalihan / 1st date of issue :
 01 September 2015

Seo

Ketua Pengarah / Director General
 JABATAN KEMAJUAN ISLAM MALAYSIA
 DEPARTMENT OF ISLAMIC DEVELOPMENT MALAYSIA



NSF certification is your key to making sure that the products you use meet strict standards **for public health protection.**
It is valued by consumers, manufacturers, retailers and regulatory agencies **worldwide**



The Public Health and Safety Organization

Cuckoo Electronics Co., Ltd.

NSF/ANSI 4 - Commercial Cooking, Rethermalization and Powered Hot Food Holding and Transport Equipment

Cuckoo Homesys Co., Ltd.

NSF/ANSI 42 - Drinking Water Treatment Units - Aesthetic Effects

Cuckoo Homesys Co., Ltd.

NSF/ANSI Drinking Water Treatment Systems

Number of matching Manufacturers is 3

Processing time was 1 seconds

NSF International

789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

Cuckoo Homesys Co., Ltd.
Facility: Gyeonggi-do, Korea, Republic of

AS COMPLYING WITH NSF/ANSI 42 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.



This certificate is the property of NSF International and must be returned upon request. This certificate remains valid as long as this client has products in NSF's Official Listings for the referenced standards. For the most current and complete Listing information, please access NSF's website (www.nsf.org).

September 5, 2019
Certificate# C0472504 - 01

David Purkiss
Vice President, Water Systems

A product with the NSF seal lets you know that the company complies with national safety standards and regulations and has undergone extensive testing.

- Complies with international safety standards and regulations
- Has undergone extensive product testing and/or material analyses, including unannounced plant inspections
- Has had every aspect of its development thoroughly evaluated before earning its certification

NSF: International public health standards and certifications that help safeguard food, water, consumer products and the environment.