

Date: April 15, 2019

Issuing Office:
Jl. Jend. A. Yani. No. 315 Surabaya 60234, Indonesia
Phone/Facs: +62 31 8470547/8470635
Email: labsurabaya@sucofindo.co.id

REPORT OF ANALYSIS

CLIENT : **LIFEFILTA – AquaNano Water Filters**
KWF-CT Kitchen Water Filter

THE FOLLOWING SAMPLE (S) WERE/WAS SUBMITTED AND IDENTIFIED BY CLIENT AS :

TYPE OF SAMPLE : Drinking Water after filter (source from suspicious city tap water)

TEST REQUIRED : Bacteriological, Physical and Chemical analysis
Decree from Ministry of Health of Republic Indonesia
No.492/MENKES/PER/IV/2010 for Drinking Water

SAMPLE IDENTIFICATION : The Following statement was stated by Client and not verified by SUCOFINDO
“ Air PDAM (After filtration) “

DATE OF RECEIVED : April 01, 2019

DESCRIPTION OF SAMPLE : Form : Liquid
Weight/Volume : 3.3 L
Packing : Plastic & Glass Bottle

PERIOD OF ANALYSIS : April 01 up to 15, 2019

RESULT OF ANALYSIS : Suitable for drinking water. Please refer to attachment

The Attachment available is an integral part of this certificate.

*The test results relate to the submitted sample (s) only and the report/certificate can not be reproduced
In any way, except in full context and with prior approval in writing from Sucofindo Laboratory*

This Certificate/report is issued under our General Terms and Conditions, copy of which is available upon request or may be accessed at www.sucofindo.co.id

Dept. of Commercial 3 -Testing & Eco-Framework

7103061901026-02

Sri Nugroho

REPORT OF ANALYSIS

Type of Sample : Drinking Water
 Sample Identification : " Air PDAM (After) "
 Date Received : April 01, 2019
 Period of Analysis : April 01 up to 15, 2019

We have tested the submitted sample (s) and the following results were obtained :

Parameters	Unit	Test Results	Limit **)	Test Methods
<u>Bacteriological :</u>				
• <i>E.coli</i>	cfu/100 mL	0	0	9222 G # #) •)
• Coliform *)	cfu/100 mL	0	0	9222 B # #) •)
<u>Chemical & Physical :</u>				
• pH ***)	-	7.06	6.5 – 8.5	SNI 3554:2015 Item 3.3
• Odour	-	Odourless	Odourless	SNI 3554:2015 Item 3.2.1
• Colour	(Pt-Co Scale)	< 0.33	15	PO/ENV-AIR/55
• Dissolved Solid	mg/L	343	500	SNI 3554:2015 Item 3.5
• Turbidity	NTU	0.46	5	SNI 3554:2015 Item 3.4
• Taste	-	Tasteless	Tasteless	SNI 3554:2015 Item 3.2.1
• Temperature ***)	°C	25.0	Ambient Temp. + 3 °C	2550 B #)
• Aluminium (Al)	mg/L	< 0.003	0.2	3120 B #)
• Total Iron (Fe)	mg/L	0.011	0.3	SNI 3554:2015 Item 3.15.2
• Total Hardness, CaCO ₃	mg/L	180	500	2340 C #)
• Chloride (Cl)	mg/L	24.8	250	SNI 3554:2015 Item 3.12
• Manganese (Mn)	mg/L	0.005	0.4	SNI 3554:2015 Item 3.16.2
• Zinc (Zn)	mg/L	0.082	3	3120 B #)
• Sulphate (SO ₄)	mg/L	72.6	250	SNI 3554:2015 Item 3.11
• Copper (Cu)	mg/L	< 0.003	2	SNI 3554:2015 Item 3.26.2.2
• Free Chlorine (Cl ₂)	mg/L	< 0.02	5	SNI 3554:2015 Item 3.17
• Ammoniac (NH ₃ -N)	mg/L	< 0.032	1.5	SNI 3554:2015 Item 3.10
• Arsenic (As)	mg/L	< 0.001	0.01	SNI 3554:2015 Item 3.26.5.2
• Fluoride (F)	mg/L	0.23	1.5	SNI 3554:2015 Item 3.13
• Chromium (Cr)	mg/L	< 0.003	0.05	SNI 3554:2015 Item 3.18.2
• Cadmium (Cd)	mg/L	< 0.003	0.003	SNI 3554:2015 Item 3.26.3.2
• Nitrite (NO ₂ -N)	mg/L	< 0.003	3	SNI 3554:2015 Item 3.9
• Nitrate (NO ₃ -N)	mg/L	1.2	50	SNI 3554:2015 Item 3.8
• Cyanide (CN)	mg/L	< 0.03	0.07	SNI 3554:2015 Item 3.14
• Selenium (Se)	mg/L	< 0.001	0.01	SNI 3554:2015 Item 3.20.2
• Mercury (Hg)	mg/L	< 0.001	0.001	SNI 3554:2015 tem 3.26.4
• Antimony (Sb)	mg/L	< 0.003	0.02	3120 B #)
• Barium (Ba)	mg/L	0.059	0.7	SNI 3554:2015 Item 3.19.2
• Boron (B)	mg/L	< 0.16	0.5	SNI 3554:2015 Item 3.22.3
• Molibdenum (Mo)	mg/L	< 0.003	0.07	3120 B #)
• Nickel (Ni)	mg/L	< 0.003	0.07	SNI 3554:2015 Item 3.26.7.2
• Sodium (Na)	mg/L	30.8	200	3120 B #)
• Lead (Pb)	mg/L	< 0.003	0.01	SNI 3554:2015 Item 3.26.1.2
• Organic Matter by KMnO ₄	mg/L	5.9	10	SNI 06-6989.22-2004
• Surfactans Anionic as MBAS	mg/L	< 0.05	0.05	5540 C #)

< Below limit detection indicated

**) Decree from Ministry of Health of Republic Indonesia

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#) Standard Methods, 23rd Edition, 2017
APHA-AWWA-WEF

No.492/MENKES/PER/IV/2010 for Drinking Water

#) Standard Methods, 22nd Edition, 2012
APHA-AWWA-WEF

•) Excluded parameters accredited

*) 0 (zero) equal with < 1 cfu/100mL, it's mean no total coliform colonies are observed

***) pH & Temperature measured at Sucofindo Laboratory