

Certificate No. 18307/DBBPAK
Date: July 3, 2017



Issuing Office:
Jl. Arteri Tol Cibitung No. 1, Cibitung Bekasi 17520, Indonesia
Phone/Facs: +62 21 88321176/88321166
Email: jum.cbt@sucofindo.co.id

REPORT OF ANALYSIS

The following sample (s) was submitted and identified by the client as :

CLIENT : WLADYSLAW EDMUND MACHINSKI, Mr
Jl. Pancoran Buntu II/18
Kelurahan Pancoran, Kecamatan Pancoran
Jakarta Selatan – DKI Jakarta

TYPE OF SAMPLE : DRINKING WATER

DATE RECEIVED : June 14, 2017

DATE OF ANALYSIS : June 15, 2017 to July 3, 2017

TESTED FOR : Chemical analysis and Microbiology test
(Republic of Indonesia Health Minister Decree
No.492/MENKES/SK/IV/2010)

DESCRIPTION OF SAMPLE : Packing : Unsealed plastic bottle

SAMPLE IDENTIFICATION : 3 – Air Setelah Filter

YOUR REFERENCE : -

Conclusion

Based on parameter analysis it is concluded that the sample is confirmed with Republic of Indonesia Health Minister Decree No.492/MENKES/SK/IV/2010

The attachment available is an integral part of this certificate

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This test result (s) related to the sample (s) submitted only and the report/certificate cannot be reproduced in any way, except in full context and with the prior approval in writing from Sucofindo Laboratory

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Distilled

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REPORT OF ANALYSIS

Parameter	Unit	Test Results	Threshold Limit Value	Methods *) Part Number
<i>Parameter I</i>				
<i>a). Microbiological</i>				
Total Coliform *	colony / 100 mL	0	0	9222 B
Escherichia Coli *	colony / 100 mL	0	0	9222 G
<i>b). Inorganic Chemical</i>				
Arsenic *	mg/L	< 0.003	0.01	3114 C
Fluoride *	mg/L	< 0.06	1.5	4500-F-D
Chromium Total *	mg/L	< 0.03	0.05	3120 B, 3030 E
Cadmium *	mg/L	< 0.0005	0.003	3113 B
Nitrite as NO ₂ *	mg/L	< 0.005	3	4500-NO ₂ -B
Nitrate as NO ₃ *	mg/L	2.32	50	4500-NO ₃ -B
Cyanide *	mg/L	< 0.02	0.07	4500-CN-E
Selenium *	mg/L	< 0.003	0.01	3114 C
<i>Parameter II</i>				
<i>a). Physical</i>				
Odour *	-	Odourless	Odourless	2150 B
Colour *	TCU	< 2.63	15	2120 C
Total Dissolved Solid	mg/L	62	500	Electrometric
Turbidity *	NTU	< 1.18	5	2130 B
Taste *	-	Tasteless	Tasteless	2160 C
Temperature	C	25	Ambient Temp. ± 3 °C	2550 B
<i>b). Chemical</i>				
Aluminum *	mg/L	< 0.03	0.2	3120 B, 3030 E
Iron *	mg/L	< 0.03	0.3	3120 B, 3030 E
Total Hardness as CaCO ₃ *	mg/L	33.2	500	2340 B
Chloride *	mg/L	1.80	250	4500-Cl-D
Manganese *	mg/L	< 0.03	0.4	3120 B, 3030 E
pH *	-	7.7	6.5 - 8.5	4500-H ⁺ -B
Zinc *	mg/L	< 0.03	3	3120 B, 3030 E
Sulfate *	mg/L	< 1.44	250	4500-SO ₄ ²⁻ -E
Copper *	mg/L	< 0.02	2	3120 B, 3030 E
Ammonia *	mg/L	0.03	1.5	4500-NH ₃ -F

Parameter I is the parameter which have direct connection with human healthy
 Parameter II is the parameter which have indirect connection with human healthy
 *) Standard Methods, 22nd Edition 2012, APHA-AWWA-WEF
 *) Included the scope of accreditation KAN
 < = Less than the detection limit indicated

Note :
 Based on attachment II of the regulation Health Minister Decree No. : 492/MENKES/PER/IV/2010, all parameter above must be tested and reported according to requirements for Drinking Water Quality and ongoing quality monitoring.
 For another parameter of drinking water quality which are not mentioned in this test result, it should be tested especially if there is any suspected or indication of pollution substance i.e. ; Microbiological, Inorganic chemical, Organic Chemical, Pesticides Compound and Radioactivity, as per attached in appendix I of the regulation



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Parameter I				
a). Microbiological				
Total Coliform *	colony / 100 mL	0	0	9222 B
Escherichia Coli *	colony / 100 mL	0	0	9222 G
b). Inorganic Chemical				
Arsenic *	mg/L	< 0.003	0.01	3114 C
Fluoride *	mg/L	< 0.06	1.5	4500-F-D
Chromium Total *	mg/L	< 0.03	0.05	3120 B, 3030 E
Cadmium *	mg/L	< 0.0005	0.003	3113 B
Nitrite as NO ₂ ⁻ *	mg/L	< 0.005	3	4500-NO ₂ -B
Nitrate as NO ₃ ⁻ *	mg/L	38.7	50	4500-NO ₃ -B
Cyanide *	mg/L	< 0.02	0.07	4500-CN-E
Selenium *	mg/L	< 0.003	0.01	3114 C
Parameter II				
a). Physical				
Odour *	-	Odourless	Odourless	2150 B
Colour *	TCU	< 2.63	15	2120 C
Total Dissolved Solid	mg/L	103	500	Electrometric
Turbidity *	NTU	< 1.18	5	2130 B
Taste *	-	Tasteless	Tasteless	2160 C
Temperature	C	25	Ambient Temp. ± 3 °C	2550 B
b). Chemical				
Aluminum *	mg/L	0.03	0.2	3120 B, 3030 E
Iron *	mg/L	< 0.03	0.3	3120 B, 3030 E
Total Hardness as CaCO ₃ *	mg/L	22.3	500	2340 B
Chloride *	mg/L	17.5	250	4500-Cl-D
Manganese *	mg/L	0.06	0.4	3120 B, 3030 E
pH *	-	4.8	6.5 – 8.5	4500-H ⁺ -B
Zinc *	mg/L	0.04	3	3120 B, 3030 E
Sulfate *	mg/L	3.21	250	4500-SO ₄ ²⁻ E
Copper *	mg/L	< 0.02	2	3120 B, 3030 E
Ammonia *	mg/L	< 0.02	1.5	4500-NH ₃ -F

Parameter I is the parameter which have direct connection with human healthy
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 *) Standard Methods, 22nd Edition 2012, APHA-AWWA-WEF
 *) Included the scope of accreditation KAN
 < = Less than the detection limit indicated
 ∇) Below of Threshold Limit Value

Note :
 Based on attachment II of the regulation Health Minister Decree No. : 492/MENKES/PER/IV/2010, all parameter above must be tested and reported according to requirements for Drinking Water Quality and ongoing quality monitoring.
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