

Analytical Laboratory Report

Client: Companhia Docas do Estado de São Paulo - CODESP

Collected By: Quality Control CDN

Project: Water Supply and Sewage Collection - Santos Port

Project Number: Contract DIPRE/04.2020

Date Collected: 02/02/2021

Time Collected: 9:51 A.M.

Sample Identification: Treated Water at Saboo
Treatment Plant

Report Number: RE002/2021-0

PARAMENTERS	ANALYSIS DATE	RESULT	LQ	METHOD	PRC Nº5/2017 - VMP
Aluminum (mg/L Al^{3+})	15/02/21 00:00	0,034	0,025	SMEWW Method 3120 B	0,2
pH (-)	02/02/21 09:51	6,59	1	SMWW Method 4500 H^+	6,0 a 9,5
Chloride (mg/L Cl^-)	03/02/21 12:12	9,5	0,44	EPA SW - 846 - 300.1 - 1999	250
Residual Free Chlorine (mg/L Cl_2)	02/02/21 09:51	1,57	0,01	POP 091	0,2 - 5,0
Residual Total Chlorine (mg/L Cl_2)	02/02/21 09:51	1,94	0,01	POP 095	/
Conductivity ($\mu S/cm$)	02/02/21 09:51	45,0	1,5	SMWW Method 2510 B	/
Total Coliform (P/A)	02/02/21 16:30	Absence	/	SMEWW Method 9223 A e B	Absence
Color (CU)	03/02/21 11:34	5	0,19	SMWW Method 2120 B	15
Total Hardness (mg/L $CaCO_3$)	15/02/21 18:19	5,485	0,52	SMWW Method 2340 B	500
<i>Escherichia coli</i> (P/A)	02/02/21 16:30	Absence	/	SMEWW Method 9223 A e B	Absence
Total Iron (mg/L Fe)	15/02/21 18:19	< 0,025	/	SMEWW Method 3120 B	0,3
Fluoride (mg/L F^-)	03/02/21 12:12	0,772	0,026	EPA SW - 846 - 300.1 - 1999	1,5
Total Manganese (mg/L Mn)	15/02/21 18:19	< 0,025	/	SMEWW Method 3120 B	0,1
Nitrate (mg/L $NO_3^- - N$)	03/02/21 12:12	0,452	0,0	EPA SW - 846 - 300.1 - 1999	10
Nitrite (mg/L $NO_2^- - N$)	03/02/21 12:12	< 0,152	/	EPA SW - 846 - 300.1 - 1999	1
Total Dissolved Solids (mg/L)	06/02/21 10:37	30,0	/	POP 077	1000
Sulfate (mg/L SO_4^{2-})	03/02/21 12:12	1,83	0,12	EPA SW - 846 - 300.1 - 1999	250
Hydrogen Sulphide (mg/L S^{2-})	04/02/21 09:25	< 0,002	/	POP 061	0,1
Turbidity (NTU)	02/02/21 09:51	0,3	0,026	SMWW Method 2130 B	5
Zinc (mg/L Zn)	15/02/21 18:19	< 0,025	/	SMEWW Method 3120 B	5

On the basis of the above test result(s), this water sample of Ministério da Saúde (Health Ministry) for **POTABLE WATER**

DOES MEET

Portaria de Consolidação Nº5/2017

The following notes apply to this sample:

- 1) Analysis Undertaken as basic methodology described in the "Standard Methods" 23th edition.
- 2) The results of that analysis has restricted meaning and apply only to sample

Santos, February 22 2021

Responsible for report:



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