

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: 01/04/2021

Time Collected: 10:45 A.M

Sample Identification: Treated Water at Saboo
Treatment Plant

Report Number: RE004/2021-0

PARAMENTERS	ANALYSIS DATE	RESULT	LQ	METHOD	PRC Nº5/2017 - VMP
Aluminum (mg/L Al^{3+})	07/04/21	< 0,074	0,074	EPA 6010D:2014	0,2
pH (-)	01/04/21	6,39	1	SM22 4500-H-B	6,0 a 9,0
Chloride (mg/L Cl^{-})	01/04/21	4,58	1	EPA 300.1:1997	250
Residual Free Chlorine (mg/L Cl_2)	01/04/21	1,99	0,1	SM22 4500-Cl-G	0,2 - 5,0
Residual Total Chlorine (mg/L Cl_2)	01/04/21	2,18	0,1	SM22 4500-Cl-G	/
Conductivity ($\mu S/cm$)	01/04/21	42,33	5,12	SM22 2510B	/
Total Coliform (P/A)	01/04/21	Absence	/	SM22 9223B	Absence
Color (CU)	01/04/21	3	1	SM22 2120C	15
Total Hardness (mg/L $CaCO_3$)	07/04/21	4	1	SM22 2340B	500
<i>Escherichia coli</i> (P/A)	01/04/21	Absence	/	SM22 9223B	Absence
Total Iron (mg/L Fe)	07/04/21	< 0,032	0,032	EPA 6010D:2014	0,3
Fluoride (mg/L F^{-})	01/04/21	0,52	0,12	EPA 300.1:1997	1,5
Total Manganese (mg/L Mn)	07/04/21	< 0,005	0,005	EPA 6010D:2014	0,1
Nitrate (mg/L NO_3^{-} - N)	01/04/21	0,36	0,23	EPA 300.1:1997	10
Nitrite (mg/L NO_2^{-} - N)	01/04/21	< 0,04	0,04	EPA 300.1:1997	1
Total Dissolved Solids (mg/L)	08/04/21	25	5	SM22 2540C	1000
Sulfate (mg/L SO_4^{2-})	01/04/21	< 1,00	1	EPA 300.1:1997	250
Hydrogen Sulphide (mg/L S^{2-})	05/04/21	< 0,05	0,05	SM22 4500-S2-G	0,1
Turbidity (NTU)	01/04/21	0,26	0,15	SM22 2130B	5
Zinc (mg/L Zn)	07/04/21	< 0,003	0,003	EPA 6010D:2014	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" 23rd edition.
- 2) The results of that analysis has restricted meaning and apply only to sample

Santos, April 14 2021

Responsible for report:



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