

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: 05/10/2021

Time Collected: 10:30 A.M.

Sample Identification: Treated Water at Saboo
Treatment Plant

Report Number: RE010/2021-0

PARAMENTERS	ANALYSIS DATE	RESULT	LQ	METHOD	PRC Nº5/2017 - VMP
Aluminum (mg/L Al ³⁺)	13/10/21	0,085	0,074	EPA 6010D:2014	0,2
pH (-)	05/10/21	8,32	1	SM23 4500-H-B	6,0 a 9,5
Chloride (mg/L Cl ⁻)	07/10/21	3,06	1	SM23 4500 Cl B	250
Residual Free Chlorine (mg/L Cl ₂)	05/10/21	1,49	0,1	SM23 4500-Cl-G	0,2 - 5,0
Residual Total Chlorine (mg/L Cl ₂)	05/10/21	1,58	5,12	SM23 4500-Cl-G	/
Conductivity (µS/cm)	05/10/21	126,43	0,01	SM23 2510B	/
Total Coliform (P/A)	06/10/21	Absence	/	SM23 9223B	Absence
Color (CU)	06/10/21	9	1	SM23 2120C	15
Total Hardness (mg/L CaCO ₃)	13/10/21	7	1	SM23 2340B	500
Escherichia coli (P/A)	06/10/21	Absence	/	SM23 9223B	Absence
Total Iron (mg/L Fe)	13/10/21	< 0,032	0,032	EPA 6010D:2014	0,3
Fluoride (mg/L F ⁻)	05/10/21	0,78	0,2	SM23 4500F-D	1,5
Total Manganese (mg/L Mn)	13/10/21	< 0,005	0,005	EPA 6010D:2014	0,1
Nitrate (mg/L NO ₃ ⁻ - N)	07/10/21	<0,3	0,30	IOP-A 5.026	10
Nitrite (mg/L NO ₂ ⁻ - N)	07/10/21	< 0,02	0,02	IOP-A 5.027	1
Total Dissolved Solids (mg/L)	12/10/21	<5	5	SM23 2540C	1000
Sulfate (mg/L SO ₄ ²⁻)	07/10/21	6,89	1	IOP-A 5.019	250
Hydrogen Sulphide (mg/L S ²⁻)	12/10/21	< 0,05	0,05	SM23 4500-S2-G	0,1
Turbidity (NTU)	05/10/21	< 0,5	0,5	SM23 2130B	5
Zinc (mg/L Zn)	13/10/21	<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 and EPA.
- 2) The results of that analysis has restricted meaning and apply only to sample

Santos, Oct 20 2021

Responsible for report:



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