

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: 02/03/2021

Time Collected: 2:24 P.M.

Sample Identification: Treated Water at Saboo
Treatment Plant

Report Number: RE003/2021-0

PARAMENTERS	ANALYSIS DATE	RESULT	LQ	METHOD	PRC Nº5/2017 - VMP
Aluminum (mg/L Al ³⁺)	10/03/21 10:35	0,047	0,025	SMEWW Method 3120 B	0,2
pH (-)	02/03/21 14:24	8,02	1	SMEWW Method 4500 H ⁺	6,0 a 9,5
Chloride (mg/L Cl ⁻)	03/03/21 11:48	9,29	0,5	EPA SW - 846 - 300.1 - 1999	250
Residual Free Chlorine (mg/L Cl ₂)	02/03/21 14:24	1,50	0,01	POP 091	0,2 - 5,0
Residual Total Chlorine (mg/L Cl ₂)	02/03/21 14:24	1,67	0,01	POP 095	/
Conductivity (µS/cm)	02/03/21 14:24	62,0	1,5	SMEWW Method 2510 B	/
Total Coliform (P/A)	03/03/21 07:30	Absence	/	SMEWW Method 9223 A e B	Absence
Color (CU)	03/03/21 16:22	5	5	SMEWW Method 2120 B	15
Total Hardness (mg/L CaCO ₃)	10/03/21 10:35	4,256	0,353	SMEWW Method 2340 B	500
Escherichia coli (P/A)	03/03/21 07:30	Absence	/	SMEWW Method 9223 A e B	Absence
Total Iron (mg/L Fe)	10/03/21 10:35	<0,025	/	SMEWW Method 3120 B	0,3
Fluoride (mg/L F ⁻)	03/03/21 11:48	0,595	0,1	EPA SW - 846 - 300.1 - 1999	1,5
Total Manganese (mg/L Mn)	10/03/21 10:35	< 0,025	0,025	SMEWW Method 3120 B	0,1
Nitrate (mg/L NO ₃ ⁻ - N)	03/03/21 11:48	0,434	0,022	EPA SW - 846 - 300.1 - 1999	10
Nitrite (mg/L NO ₂ ⁻ - N)	03/03/21 11:48	< 0,152	0,152	EPA SW - 846 - 300.1 - 1999	1
Total Dissolved Solids (mg/L)	04/03/21 13:09	25,0	20	POP 077	1000
Sulfate (mg/L SO ₄ ²⁻)	03/03/21 11:48	1,8	0,5	EPA SW - 846 - 300.1 - 1999	250
Hydrogen Sulphide (mg/L S ²⁻)	05/03/21 09:23	< 0,002	0,002	POP 061	0,1
Turbidity (NTU)	02/03/21 14:24	0,5	0,1	SMEWW Method 2130 B	5
Zinc (mg/L Zn)	10/03/21 10:35	< 0,025	0,0025	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, March 19 2021

Responsible for report:



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