

Analytical Laboratory Report**Client:** Santos Port Authority**Collected By:** Quality Control CDN**Project:** Water Supply and Sewage Collection - Santos Port**Project Number:** Contract DIPRE/04.2020**Date Collected:** 03/07/2024**Time Collected:** 12:39 A.M.**Sample Identification:** Treated Water at Saboo
Treatment Plant**Report Number:** RE003/2024-0

PARAMETERS	ANALYSIS DATE	RESULT	LQ	METHOD	Portaria 888 - VMP
Aluminum (mg/L Al ³⁺)	03/12/24	0,168	0,025	SMWW,23ª Edição 2017, 3120 B	0,2
pH (-)	03/07/24	7,26	4 a 10	SMWW,24ª Edição 2023, 4500-H+B	/
Temperature (°C)	03/07/24	23,6	10 a 30	SMWW,24ª Edição 2023, 2550 B	/
Chloride (mg/L Cl ⁻)	03/08/24	5,404	0,5	EPA SW - 846 - 300.1 - 1999	250
Residual Free Chlorine (mg/L Cl ₂)	03/08/24	1,17	0,1	ME-003-Rev.02	0,2 - 5,0
Conductivity (µS/cm)	03/07/24	57,7	1	SMWW, 24ª Edição 2023, 2510 B	/
Total Coliform (A/P 100mL)	03/08/24	Absence	/	SMWW,23ª Edição 2017, 9223 B	Absence
Color (CU)	03/07/24	< 5	5	SMWW,24ª Edição 2023, 2120 C	15
Total Hardness (mg/L CaCO ₃)	03/12/24	5,333	0,353	SMWW,23ª Edição 2017, 2340 B	300
Escherichia coli (P/A 100mL)	03/08/24	Absence	/	SMWW,23ª Edição 2017, 9223 B	Absence
Total Iron (mg/L Fe)	03/12/24	< 0,0025	0,025	SMWW,23ª Edição 2017, 3120 B	0,3
Fluoride (mg/L F ⁻)	03/07/24	0,7	0,2	SMWW,24ª Edição 2023, 4500 F ⁻ D	1,5
Total Manganese (mg/L Mn)	03/12/24	< 0,005	0,01	SMWW,23ª Edição 2017, 3120 B	0,1
Nitrate (mg/L NO ₃ ⁻ - N)	03/08/24	0,422	0,02	EPA SW - 846 - 300.1 - 1999	10
Nitrite (mg/L NO ₂ ⁻ - N)	03/08/24	< 0,0025	0,152	EPA SW - 846 - 300.1 - 1999	1
Total Dissolved Solids (mg/L)	03/09/24	28	20	POP 077	500
Sulfate (mg/L SO ₄ ²⁻)	03/08/24	5,575	0,5	EPA SW - 846 - 300.1 - 1999	250
Hydrogen Sulphide (mg/L S ²⁻)	03/11/24	< 0,0007	0,002	POP 061	0,05
Turbidity (NTU)	03/07/24	< 0,5	0,5	SMWW,24ª Edição 2023, 2130 B	5
Zinc (mg/L Zn)	03/12/24	< 0,004	0,025	SMWW,23ª Edição 2017, 3120 B	5

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

Portaria GM/MS N°888

The following notes apply to this sample:

- 1) Analysis Undertaken as basic methodology described in the "Standard Methods" 23rd/24rd edition, EPA and POP.
- 2) The results of that analysis has restricted meaning and apply only to sample

Santos, March 15, 2024

Responsible for report:



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