

### DIRECTORATE OF HEALTH SERVICES

## ENVIRONMENTAL AND POLLUTION CONTROL WING

#### PANAJI-GOA

	Reg. No.:	Date: 15/12/20				
	Water SAMPLE ANALYSED					
	Referred by: Sunshine Worldwide School, Bainguinim, Old-Goa					
	Ref. No .SWS/00/OSC2.3/G10/710 dated11/11/2020					
	Received/Collected on:1.1/1.1/2020analytical-work-completed-on20/1-1/2020					
, i	Sampling Point/Source:Borewellwatersample					
	To determine:					
	ANALYSIS					
BACTERIOLOGICAL EXAMINATION						
	Plate Count per ml at 37oC	30				
	Total Coliform Organisms MPN/100ml	Nil				
ļ	Remarks : The sample of water analysed is found free from Coliforn					
	Remarks : The sample of water analysed is found free from Colifor The water therefore can be recommended for human after assessing its chemical analysis	rm organisms consumption				

(Mrs.V. S. Kunkoliencar) Sr.Scientific Assistant







### DIRECTORATE OF HEALTH SERVICES

# ENVIRONMENTAL AND POLLUTION CONTROL WING PANAJI-GOA

Reg. No.: EPCW/ Foo /2020-21	Date: /5/12/29
SAMPLE ANA	Water ALYSED
Referred by: Sunshine Worldwide School, Bair	nguinim, Old-Goa
Ref. No .SWS/00/OSC2.3/G10/710 dat	
Received/Collected on:1.1/1.1/2020analytical-v	vork-completed-on20/11/2020
Sampling Point/Source:Tapwatersample	
To determine: As below	
ANALYS	ıs
BACTERIOLOGICAL EXAMI	NATION
Plate Count per ml at 37oC	40
Total Coliform Organisms MPN/100	Oml Nil
Remarks : The sample of water analysed is found The water therefore can be recomme after assessing its chemical analysis	

( Mrs.V. S. Kunkoliencar) Sr.Scientific Assistant





## DIRECTORATE OF HEALTH SERVICES

# ENVIRONMENTAL AND POLLUTION CONTROL WING

#### PANAJI-GOA

Reg. No.: 21 CVV 720/ 12020-21	Water	Date: 15/12/20
SAMPLI	E ANALYSED	

Referred by: Sunshine Worldwide School, Bainguinim, Old-Goa, Ref. No . SWS/00/OSC2.3/G10/710 dated 11/11/2020

11/11/2020 analytical work completed on 20/11/2020

Received/Collected on: .. Sampling Point/Source: Borewell water sample

As below To determine:

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#### **ANALYSIS**

Sr.No.	Determination		Results	1::	
2 3	Appearance Colour Odour		Turbid* Pale Yellow* Inoffensive	Limits Clear Colourless Inoffensive	
4 5	pH 3.0 (Boiled & Cooled) Turbidity NTU		6.8 <b>8.0</b> *	6.5 - 8.5 5.0	
6 7	Total Dissolved Solids Total Hardness as CaCO3	mg/l	49.0	500.0	
8	Calcium as Ca++	mg/l	17.0	300.0	
9	Total Alkalinity as CaCO3	mg/l	3.2	75.0	
	(Methyl Orange)	mg/l	15.0	200.0	
10	Chlorides as CI-	mg/1	14.2	250.0	
11	Sulphate as SO4	mg/l	0.9	200.0	
12	Nitrates as NO3-	mg/l	Nil	45.0	
13	Nitrite as NO2-	mg/l	Nil	Nil	
14	Oxidability - 4 hrs.	mg/l	0.8		
15	Iron as Fe++	mg/l	0.4*	2.0	
16	Manganese as Mn++	mg/l	Nil	0.3	
17	Magnesium as Mg++	mg/l	2.2	0.1	
6X	* Above permissible limits.		100000	30.0	
Remarks: The sample of water analysed does not confirm to the standards					
proposition of for default and the standards					

prescribed for drinking water. The water therefore cannot be used for human consumption as such.

> ( Mrs. V. S. Kunkoliencar) Sr.Scientific Assistant

Govt. Ptg. Press, Panaji-Goa-183/10,000-5/2018.

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### DIRECTORATE OF HEALTH SERVICES

### ENVIRONMENTAL AND POLLUTION CONTROL WING

#### PANAJI-GOA

Reg.	No.: .	EPCW/	702	/2020-21
		****************		

Date: 15-172/20

Water

#### SAMPLE ANALYSED

Referred by: Sunshine Worldwide School Bainguinim, Old-Goa				
Ref. No . SWS/00/OSC2 3/G10/710 dated 11/11/2020				
Received/Collected on: 11/11/2020 analytical work completed on 20/11/2020				
Sampling Point/Source: Tap water sample				
To determine: As below				

#### ÁÑÁLÝSIS

Sr.No.	Data		Γ	Т
Sr.No.	Determination		Results	Limits
1 2	1 Appearance		Clear	Clear
2	2 Colour 3 Odour		Colourless	Colourless
18	Odour		Inoffensive	Inoffensive
4	pH 3.8 (Boiled & Cooled )		6.9	6.5 - 8.5
5	Turbidity NTU		1.0	5.0
6	Total Dissolved Solids	mg/l	34.0	500.0
7	Total Hardness as CaCO3	mg/l	11.0	300.0
8	Calcium as Ca++	mg/l	4.0	75.0
9	Total Alkalinity as CaCO3	mg/l	15.0	200.0
	(Methyl Orange)		K05-06403033	
10	Chlorides as CI-	mg/1	7.1	250.0
11	Sulphate as SO4	mg/l	8.0	200.0
12	Nitrates as NO3-	mg/l	NIL	45.0
13	Nitrite as NO2-	mg/l	Nil	Nil
14	Oxidability - 4 hrs.	mg/l	8.0	2.0
15	Iron as Fe++	mg/l	0.05	0.3
16	Manganese as Mn++	mg/l	Nil	0.1
17	Magnesium as Mg++	mg/l	0.2	30.0
Remarks:	The sample of water analysed	confirm to	he limits prese	SU.U
Remarks: The sample of water analysed confirm to the limits prescribed for				
drinking water. The water therefore can be recommended for human				
consumption after assessing its Bacteriologicall purity.				

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Mrs.V. S. Kunkoliencar) Sr.Scientific Assistant