



GOVERNMENT OF GOA
DIRECTORATE OF HEALTH SERVICES
 ENVIRONMENTAL AND POLLUTION CONTROL WING
 PANAJI-GOA

Reg. No.:EPCW/6.99/2020-21

Date :15/12/20.....

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:Borewell.....water.....sample.....

To determine:As below.....

ANALYSIS

BACTERIOLOGICAL EXAMINATION

Plate Count per ml at 37oC		30
Total Coliform Organisms	MPN/100ml	Nil

Remarks : The sample of water analysed is found free from Coliform organisms
 The water therefore can be recommended for human consumption
 after assessing its chemical analysis..

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





GOVERNMENT OF GOA
DIRECTORATE OF HEALTH SERVICES
ENVIRONMENTAL AND POLLUTION CONTROL WING
PANAJI-GOA

Reg. No.: EPCW/700/2020-21

Date : 15/12/20

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.....

ANALYSIS

BACTERIOLOGICAL EXAMINATION

Plate Count per ml at 37oC		40
Total Coliform Organisms	MPN/100ml	Nil

Remarks : The sample of water analysed is found free from Coliform organisms
The water therefore can be recommended for human consumption
after assessing its chemical analysis.


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





GOVERNMENT OF GOA
DIRECTORATE OF HEALTH SERVICES
ENVIRONMENTAL AND POLLUTION CONTROL WING
PANAJI-GOA

Reg. No.: EPCW/ 701 /2020-21

Date: 15/12/20

Water

SAMPLE ANALYSED

Referred by: Sunshine Worldwide School, Baingunim, 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: Borewell water sample

To determine: As below

ANALYSIS

Sr.No.	Determination	Results	Limits
1	Appearance	Turbid*	Clear
2	Colour	Pale Yellow*	Colourless
3	Odour	Inoffensive	Inoffensive
4	pH 3.0 (Boiled & Cooled)	6.8	6.5 - 8.5
5	Turbidity NTU	8.0*	5.0
6	Total Dissolved Solids mg/l	49.0	500.0
7	Total Hardness as CaCO ₃ mg/l	17.0	300.0
8	Calcium as Ca ⁺⁺ mg/l	3.2	75.0
9	Total Alkalinity as CaCO ₃ (Methyl Orange) mg/l	15.0	200.0
10	Chlorides as Cl ⁻ mg/l	14.2	250.0
11	Sulphate as SO ₄ ⁻⁻ mg/l	0.9	200.0
12	Nitrates as NO ₃ ⁻ mg/l	Nil	45.0
13	Nitrite as NO ₂ ⁻ mg/l	Nil	Nil
14	Oxidability - 4 hrs. mg/l	0.8	2.0
15	Iron as Fe ⁺⁺ mg/l	0.4*	0.3
16	Manganese as Mn ⁺⁺ mg/l	Nil	0.1
17	Magnesium as Mg ⁺⁺ mg/l	2.2	30.0

* Above permissible limits.

Remarks: The sample of water analysed does not confirm to the standards prescribed for drinking water. The water therefore cannot be used for human consumption as such.

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Sr. Scientific Assistant





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DIRECTORATE OF HEALTH SERVICES
ENVIRONMENTAL AND POLLUTION CONTROL WING
PANAJI-GOA

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

Date: 15/12/20

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.....

ANALYSIS

Sr.No.	Determination	Results	Limits
1	Appearance	Clear	Clear
2	Colour	Colourless	Colourless
3	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 CaCO ₃ mg/l	11.0	300.0
8	Calcium as Ca ⁺⁺ mg/l	4.0	75.0
9	Total Alkalinity as CaCO ₃ (Methyl Orange) mg/l	15.0	200.0
10	Chlorides as Cl ⁻ mg/l	7.1	250.0
11	Sulphate as SO ₄ ⁻⁻ mg/l	0.8	200.0
12	Nitrates as NO ₃ ⁻ mg/l	NIL	45.0
13	Nitrite as NO ₂ ⁻ mg/l	Nil	Nil
14	Oxidability - 4 hrs. mg/l	0.8	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 the limits prescribed for drinking water. The water therefore can be recommended for human consumption after assessing its Bacteriological purity.



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