

11979/21-22

Food Safety Department,
Regional Analytical Laboratory,
Ernakulam.
Dated : 23/03/2022

Description of sample : KWA Water
Source : Bhavan's Varuna Vidyalaya, NPOL Campus,
Thrikkakara, Ernakulam, 682 021
Sample Details : Sample received in Plastic Can + Sterile Bottle
Date of Receipt : 07-03-2022
Date of Analysis : Started on 14/03//2022 and completed 18/03/2022
Sample quantity : 2L +125 ml
Physical Appearance : Clear, colourless liquid having agreeable odour.

Analytical results

Sl. No. (1)	Quality Characteristics (2)	Name of method of test used (3)	Result (4)	Desirable limit prescribed standard as per IS NO. 10500:1991, 2012 (5)
1	P ^H	FSSAI Manual, 2016	7.04	6.5 to 8.5
2	Turbidity	FSSAI Manual, 2016	0.85 NTU	Not more than 5 NTU
3	Alkalinity	FSSAI Manual, 2016	19.90 mg/l	200.0 mg/l
4	Total Hardness (as CaCO ₃)	APHA, 23 rd edn 2017	13.0 mg/l	200.0 mg/l
5	Calcium (as Ca)	APHA, 23 rd edn, 2017	6.41 mg/l	75.0 mg/l
6	Magnesium (as Mg)	APHA, 23 rd edn, 2017	1.60 mg/l	30.0 mg/l
7	Sulphates (as SO ₄ ²⁻)	AOAC, 21 st edn, 2019	Below Quantification Limit	200.0 mg/l
8	Iron (as Fe)	Qualitative inorganic Analysis by Vogel	0.3 mg/l	0.3 mg/l
9	Residual Free Chlorine	IS 3025 Part -26	Below Quantification Limit	0.2 mg/l
10	Fluoride (as F ⁻)	APHA, 23 rd edn, 2017	Below Quantification Limit	1.0 mg/l
11	Chloride (as Cl ⁻)	FSSAI Manual, 2016	8.50 mg/l	250.0 mg/l
12	Ammonia	IS: 3025 Part-34	Nil	0.5 mg/l
13	Nitrate (as NO ₃ ⁻)	APHA, 23 rd edn, 2017	Below Quantification Limit	45.0 mg/l
14	Total Dissolved solids	FSSAI Manual, 2016	39.0 mg/l	500.0 mg/l
15	Coliforms	IS 1622 1981 RA 2019	<2 MPN/100 ml	<2 MPN/100ml
16	E.Coli	IS 1622 1981 RA 2019	Absent/100 ml	Shall be Absent

Limit of Quantification of Sulphates ≤ 10 mg/l

Limit of Quantification for Residual Chlorine = 0.1 mg/l

Limit of Quantification of Fluoride ≤ 0.2 mg/l

Limit of Quantification of Nitrate ≤ 2.0 mg/l

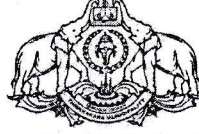
Remarks: - പരിശോധനാഫലം തൃപ്തികരമാണ്.

Seal

The test report relates to the test items only. No enquires will be entertained after one month issuing test report. Reproduction of test report in part or full without permission is prohibited.

FOOD ANALYST

Smt. Remadevi K P
Principal
Bhavan's Varuna Vidyalaya
Thrikkakara, Kochi - 682021



THRIKKAKARA MUNICIPALITY

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GST No. 32AAALS3101L1ZB

H1/7688/2022

Date: 18/05/2022

SANITATION CERTIFICATE

This is to Certify that the Health and hygienic facilities are found satisfactory for running an Institution, named "BHAVANS VARUNA VIDAYALAYA " Kakkanad, Thrikkakara Kochi-682 021.

This certificate is issued produce before CBSE Board and valid only for the Academic year 2022- 2023.



[Handwritten Signature]
18/5/2022

Health Inspector
Thrikkakara Municipality

[Handwritten Signature]

Smt. Remadevi K P
Principal
Bhavan's Varuna Vidyalaya
Thrikkakara, Kochi - 682021