



GOVERNMENT OF KERALA
CERTIFICATE OF EXAMINATION

RAL/TR/PVT

WA(P) No.12059/A/22-23

Food Safety Department,
Regional Analytical Laboratory,
Ernakulam
Dated : 01/02/23
ULR No : TC 679323000000210F

Description of sample : KWA Water
Sample Details : Sample received in Plastic Can + Sterile Bottle
Source : Bhavans Varuna Vidyalaya, NPOL, Thrikkakara, 682 021
Date of Receipt : 23/01/2023
Date of Analysis : Started on 23-01-2023 and completed on 27-01-2023
Sample quantity : 2 L + 125 ml
Physical Appearance : Clear, Colourless liquid having agreeable odour.

ANALYTICAL RESULT

Sl No.	Test Parameters	Test methods	Result of Analysis	Desirable limit prescribed standard as per IS No.10500:1991 ,2012
1	pH	FSSAI Manual, 2016	6.92	
2	Turbidity	FSSAI Manual, 2016	0.73 NTU	6.5 to 8.5
3	Alkalinity	FSSAI Manual, 2016	18.72 mg/l	Not more than 5 NTU
4	Total Hardness (as CaCo3)	APHA,23rd edn,2017	20.4 mg/l	200.0 mg/l
5	Calcium (as Ca)	APHA,23rd edn,2017	6.54 mg/l	200.0 mg/l
6	Magnesium (as Mg)	APHA,23rd edn,2017	0.99 mg/l	75.0 mg/l
7	Sulphates (as So4)	AOAC, 21st edn, 2019	Below Limit of Quantification	30.0 mg/l
8	Residual Free Chlorine	IS 3025; Part - 26	Below Limit of Quantification	200.0 mg/l
9	Flouride (as F-)	APHA, 23rd edn, 2017	Below Limit of Quantification	0.2 mg/l
10	Chloride (as Cl-)	FSSAI Manual, 2016	10.07 mg/l	1.0 mg/l
11	Nitrate (as No3-)	APHA, 23rd edn, 2017	2.02 mg/l	250.0 mg/l
12	Total Dissolved Solids	FSSAI Manual, 2016	41.0 mg/l	45.0 mg/l 500.0 mg/l

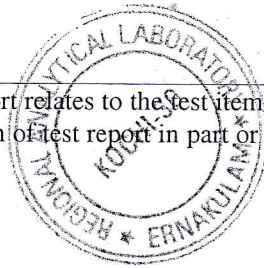
Hemadevi K P
Principal
Bhavans Varuna Vidyalaya
Thrikkakara, Kochi - 682021

MANAGER
BHAVAN'S VARUNA VIDYALAYA
THRIKKAKARA

Limit of Quantification for Sulphate = 10 mg/l
Limit of Quantification of Flouride = 0.2 mg/l
Limit of Quantification for Residual Chlorine = 0.1 mg/l
Limit of Quantification for Nitrate = 2.0 mg/l
Limit of Quantification for ca: 0.8 mg/l
Limit of Quantification for Mg = 0.2 mg/l
Limit of Quantification for Chloride = 3.0 mg/l


Remarks: Analysis Reports are Satisfactory.

Seal




FOOD ANALYST

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. The complete reports includes both A & B


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


MANAGER
BHAVAN'S VARUNA VIDYALAYA
THRIKKAKARA





GOVERNMENT OF KERALA
CERTIFICATE OF EXAMINATION

RAL/TR/PVT

WA(P) No.12059/B/22-23

Food Safety Department,
Regional Analytical Laboratory,
Ernakulam
Dated : 01/02/23

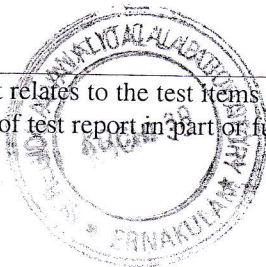
Description of sample : KWA Water
Sample Details : Sample received in Plastic Can + Sterile Bottle
Source : Bhavans Varuna Vidyalaya, NPOL, Thrikkakara, 682 021
Date of Receipt : 23/01/2023
Date of Analysis : Started on 23-01-2023 and completed on 27-01-2023
Sample quantity : 2 L + 125 ml
Physical Appearance : Clear, Colourless liquid having agreeable odour.

ANALYTICAL RESULT

Sl No.	Test Parameters used	Result of analysis	Test Methods	Desirable limit prescribed standard as per IS No.10500:1991,2012
1	Iron	0.3 mg/l	Qualitative Inorganic Analysis by Vogel	0.3 mg/l
2	Ammonia	Nil	Is: 3025 Part -34	0.5 mg/l
3	Coliforms	<2 MPN/100 ml	IS 1622 1981 RA 2019	<2 MPN/100 ml
4	E.Coli	Absent/100 ml	IS 1622 1981 RA 2019	Shall be absent

Seal

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



FOOD ANALYST



Smt. Remadevi K P
Principal
Bhavan's Varuna Vidyalaya
Thrikkakara, Kochi - 682 021.

MANAGER
BHAVAN'S VARUNA VIDYALAYA
THRIKKAKARA