



Food Safety Department
Regional Analytical Laboratory, Ernakulam,
Dated: 16.10.2020

No.11215/2020-21

Description of sample : KWA Water
Sample details : The sample received in Plastic Can
Source : St. Joseph Public School, Njarakkal (Vypin Island), Ernakulam – 682505.
Date of Receipt : 07.10.2020
Date of Analysis : Started on 12.10.2020 and completed 16.10.2020
Sample quantity : 2 L + 125 ML
Physical Appearance : Pale yellow, Agreeable odour

Analytical results :

Sl. No.	Quantity Characteristics	Name of method of test used	Result	Desirable limit prescribed standard as per IS NO. 10500:1991, 2012 IS 3025 WHO 1993
(1)	(2)	(3)	(4)	(5)
1	pH	IS 3025 Part - II	7.05	6.5 to 8.5
2	Turbidity	IS 3025 Part-10	10.36 NTU	Not more than 5 NTU
3	Alkalinity	IS 3025 Part -23	46.08 mg/l	200.0 mg/l
4	Total Hardness (as CaCO ₃)	APHA 23 rd edn	64.14 mg/l	200.0 mg/l
5	Calcium (as Ca)	APHA 23 rd edn	21.45 mg/l	75.0 mg/l
6	Magnesium (as Mg)	APHA 23 rd edn	2.58 mg/l	30.0 mg/l
7	Sulphates (as SO ₄ ²⁻)	AOAC,2016	Below Quantitative limit	200.0 mg/l
8	Iron (as Fe)	Qualitative inorganic Analysis by Vogel	1.2 mg/l	0.3 mg/l
9	Residual Free Chlorine	IS 3025 Part -26	Nil	0.2 mg/l
10	Fluoride (as F ⁻)	APHA , 2017	Below Quantitative limit	1.0 mg/l
11	Chloride (as Cl ⁻)	IS 3025 Part -32	5.50 mg/l	250.0 mg/l
12	Nitrite (as NO ₂ ⁻)	APHA , 2017	Below Quantitative limit	0.02 mg/l
13	Ammonia	IS: 3025 Part-34	Nil	0.5 mg/l
14	Nitrate (as NO ₃ ⁻)	APHA , 2017	3.55 mg/l	45.0 mg/l
15	Total Dissolved solids	Instrumental by conductivity meter	88.0 mg/l	500.0 mg/l
16	Coliform	IS: 1622-1981 RA2019	<2MPN/100 ml	<2 MPN/100ml
17	E.coli	IS :1622-1981 RA2019	Absent	Shall be Absent

Remarks: : ഇരുമ്പിന്റെ അംശം കുറവാണ്.

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FOOD ANALYST

(Seal)

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