



GOVERNMENT OF KERALA  
CERTIFICATE OF EXAMINATION

WA(P) No A.16238/A/23-24

Food Safety Department,  
Regional Analytical Laboratory,  
Ernakulam  
Dated : 06/06/2023  
ULR No : TC679323000001859F

Description of sample : KWA Water  
Sample Details : Sample received in Plastic Can + Sterile Bottle  
Source : Isabella De Rosis Public School, Thevarkad, Varapuzha,  
Ernakulam -683 517  
Date of Receipt : 26/05/2023  
Date of Analysis : Started on 27/05/2023 and completed 03/06/2023  
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 as per IS 10500:2012
1	pH	FSSAI Manual, 2016	7.25	6.5 to 8.5
2	Turbidity	FSSAI Manual, 2016	0.27 NTU	Not more than 5 NTU
3	Alkalinity	FSSAI Manual, 2016	41.0 mg/l	200.0 mg/l
4	Total Hardness (as CaCo <sub>3</sub> )	APHA,23rd edn,2017	38.95 mg/l	200.0 mg/l
5	Calcium (as Ca)	APHA,23rd edn,2017	13.15 mg/l	75.0 mg/l
6	Magnesium (as Mg)	APHA,23rd edn,2017	1.49 mg/l	30.0 mg/l
7	Sulphates (as So <sub>4</sub> )	AOAC, 21st edn, 2019	Below Limit of Quantification	200.0 mg/l
8	Residual Free Chlorine	IS 3025; Part - 26	Below Limit of Quantification	0.2 mg/l
9	Flouride (as F-)	APHA, 23rd edn, 2017	Below Limit of Quantification	1.0 mg/l
10	Chloride (as Cl-)	FSSAI Manual, 2016	10.42 mg/l	250.0 mg/l
11	Nitrate (as No <sub>3</sub> -)	APHA, 23rd edn, 2017	Below Limit of Quantification	45.0 mg/l
12	Total Dissolved Solids	FSSAI Manual, 2016	66.0 mg/l	500.0 mg/l