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DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

From

To

Tmt.L.Sujatha, M.Sc., M.A., B.Ed.,
CHIEF WATER ANALYST,
Chief Water Analysis Laboratory,
King Institute Campus, Guindy,
Chennai-600 032.

The Correspondent,
Santhiya Karthik Krishnan Educational Trust,
No.53, Kamarajar Street,
Walajapet,
Ranipet District – 632 513

R.No. 3804/C/2023 Misc – 450 Dated: 11.01.2024

Sir,

Sub : Report on examination of water samples - Regarding.
Ref : Your letter dated: 14.12.2023.

A sample of water stated to have been collected on 20.12.2023 by Thiru.P.Karthik Krishnan from a bore well within the premises of Santhiya Karthik Krishnan Educational Trust, No.55, Chithathour Village, Walaja to Sholinghur Main Road, Ranipet District was received at this laboratory on the same day to assess it's suitability for drinking purposes.

The results of analysis are furnished overleaf.

The sample of water is colourless and clear in physical appearance.

Chemical analysis reveals that it is hard and acceptable chemical quality for drinking purposes.

It is of satisfactory bacteriological and biological quality for drinking purposes on this occasion.

Copy to: Lab & File

Shanthiya Karthik Krishnan
CHIEF WATER ANALYST,
Chief Water Analysis Laboratory,
Guindy, Chennai – 32.

Shanthiya Karthik Krishnan
19/1/24

RESULTS OF EXAMINATION OF SAMPLES OF WATER

From: The Correspondent, Santhiya Karthik Krishnan Educational Trust No.53 Kamarajar Street, Walajapet, Ranipet District – 632 513

Collected by: Thiru. P. Karthik Krishnan.

M – 450

Date of Collection : 20.12.2023		Borewell at above Premises Direct delivery		Maximum permissible limit for drinking water as per BIS 10500/2012
Date of Receipt : 20.12.2023				
Source as per label: Borewell				
Bacteriological Examination	Total colonies per ml on agar at 37°C	20		20
	MPN of Coliform bacteria per 100 ml.	0		0
	Rapid Test for Ecoli.			
	Results of vibrio test			
Physical Examination	Colour	Colourless		Colourless
	Turbidity (Units)	5		5
	Smell	None		None
Chemical Examination (in mg/l).	Total dissolved Solids	890		2000
	Carbonate hardness as CaCO ₃	272		-
	Non- Carbonate hardness as CaCO ₃	0		-
	Total hardness as CaCO ₃	272		600
		108		1000
	Chloride as Chlorine	-		Nil
	Ammoniacal nitrogen	-		Nil
	Albuminoid nitrogen	-		Nil
	Oxygen absorbed (Tidy's test)	0.32		-
	Nitrate-nitrogen	1.0		10.2
	Alkalinity } as CaCO ₃ } Phenolphthalein	0		-
		440		600
	Fluoride as Fluorine	0.6		1.5
		7.2		6.5-8.5
	PH.			
	Iron as Fe Total	0.05		1.0
	Ferrous	Nil		--
	Manganese as Mn.	Nil		0.3
	Qualitative-			
	Nitrite nitrogen	Trace		Trace
Sulphate	Trace		400	
Phosphate	Trace		Trace	
Toxic substances				
Electrical conductivity (Reciprocal megohms per Cm ³ at 20°C)	1270		-	
Microscopical Examination	Amorphous matter			