

PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

(AUTONOMOUS)

KANURU, VIJAYAWADA - 520 007.

(Sponsors : Siddhartha Academy of General & Technical Education, Vijayawada)

Affiliated to JNTUK, Kakinada (College Code : 50)

Approved by AICTE, Accredited by NAAC with 'A+' Grade

UG Programs are Accredited by NBA

An ISO 9001 : 2015 Certified Institution



Ref : PVPSIT/CIVIL/CONSULT/CE18052023/01

Date : 25/05/2023

To

Ravindra Bharathi's NextGen School

D. No. 13-583, 13-585 & 13-586, Panta Kaluva Road,

Tulasi Nagar, Kanuru, YSR Tadigadapa Municipality, Krishna District

TEST RESULTS OF WATER SAMPLE

Sub: Test Results of water sample for drinking purpose

Sample:

S.No	Test Parameter	Acceptable limits as per IS: 10500-2012	Test Results of Water Sample
1	Appearance	-	Clear
2	Odour	Unobjectionable	Unobjectionable
3	Turbidity	1.0	0.78 NTU
4	Electrical conductivity	-	174 μ S/cm
5	pH value	6.5-8.5	7.57
6	Total dissolved solids	500 mg/L	234 mg/L
7	Total hardness	200 mg/L	93.5 mg/L
8	Non carbonate hardness	-	25.3 mg/L
9	Carbonate hardness	-	68.2 mg/L
10	Calcium as Ca	75 mg/L	36 mg/L
11	Magnesium as Mg	30 mg/L	13.8 mg/L
12	Chlorides as Cl	250 mg/L	17.31 mg/L
13	Sulphates as SO ₄	200 mg/L	6.8 mg/L
14	Flourides	1 mg/L	0.39 mg/L
15	Nitrates	45 mg/L	7.5 mg/L
16	Iron as Fe	0.3 mg/L	0.09 mg/L
17	Manganese	0.1 mg/L	0.02 mg/L
18	Residual chlorine	0.2 mg/L	Nil
19	Total solids	-	258 mg/L
20	Suspended solids	-	24 mg/L
21	Total alkalinity	200 mg/L	82 mg/L
22	Total acidity	-	23 mg/L
23	Total fixed solids	-	239 mg/L
24	Total volatile solids	-	19 mg/L

The above test results are applicable only for the sample received by us.

According to the listed parameters, the water sample meets the requirements for drinking, as all parameters fall within the permissible range.

Ashish Kumar Nayak
(Dr. Ashish Kumar Nayak)

Assistant Professor

B. Panduranga Rao
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