



LOYOLA COLLEGE (AUTONOMOUS) CHENNAI - 600 034.

Data sheet for weekly analysis with permissible value

Date: 25.09.2018

Sample: Loyola STP

Tested at: Water Quality Analysis Unit, ERI

S.No.	Parameter	Unit	Permissible value	Raw Water	Treated Water
1.	pH		6.0-8.5	7.32	7.47
2.	Electrical Conductivity (at 25°C), Max	μS	2250	2990	2100
3.	Sodium Adsorption Ratio, Max		26	3.7	3.2
4.	Boron (as B), Max	mg/L	2.0	2.5	1.6
5.	Total Dissolved Solids, (inorganic), Max	mg/L	2100	1980	1440
6.	Sulphates (as SO ₄), Max	mg/L	1000	910.5	271.2
7.	Chlorides	mg/L	600	464.7	421.3
8.	Sodium Percentage, Max	%	60	46.76	28.43
Special Parameter					
9.	Odor			Disagreeable	Agreeable
10.	Colour			Turbid	Clear

Inference

Treated STP water had all parameters under permissible limits with the exception of Electrical Conductivity. It was measured at 2100 μS. Both Food and agricultural organization (FAO) and TNAU have permissible limit of 3000 μS. Therefore treated STP water can be used for secondary purposes.

Tested by

Jackson A.
Research Scholar

Supervisor

(Fr. Maria Packiam S.J.)
12.10.2018

Director-in-charge

Dr. Gabriel M. Paulraj

DIRECTOR-IN-CHARGE
ENTOMOLOGY RESEARCH INSTITUTE
LOYOLA COLLEGE, CHENNAI - 600 034