

**6.3.1 b - Process in place to treat
waste water
(Wastewater quality
test report)**



B.S. Abdur Rahman

Crescent
Institute of Science & Technology

Deemed to be University u/s 3 of the UGC Act, 1956

WASTEWATER QUALITY TEST REPORT

The wastewater received at the inlet of the sewage treatment plant and also the treated effluent is tested for its quality. The treatment units installed in the campus effectively remove the pollutants from the wastewater and the treated water meets the standards prescribed by the Tamilnadu Pollution Control Board. The treated effluent are used for gardening and also for flushing purpose in toilets with dual plumbing



EKDANT ENVIRO SERVICES (P) LIMITED

NABL Accredited & Recognised Laboratory
An ISO 9001 : 2015 and OHSAS 18001 : 2007 Certified Company

No. R7/1, AVK Tower, North Main Road, Anna Nagar, West Extn. Chennai - 600 101.
Phone : 044 - 2615 3349 / 4856 2349. Mobile : 94444 11178.
E-mail : ekdantlab@gmail.com / ekdantfinance19@gmail.com
Web : www.ekdantlab.co.in

TEST REPORT

Sample Ref No. : EES/W/266/10		Report No. : 335/10		
Issued To: M/s. B.S.A Crescent Institute of Science & Technology Vandalur, Chennai-600 048.		Report Date : 22.10.2020 Page: 1 of 1		
Sample Description : Sewage Water		Received On : 17.10.2020		
Sample Drawn By/ Date : Customer / 17.10.2020		Commenced On : 17.10.2020		
Customer's Reference : Letter Dated on 17.10.2020		Completed On : 22.10.2020		
Sample Mark : STP Inlet				
Sl.No	PARAMETERS	UNITS	RESULTS	PROTOCOL: APHA 23 rd Edition 2017
1	pH value at 25°C	-	7.56	4500 H ⁺ B
2	Total Suspended Solids	mg/l	46.0	IS:3025: P.17:1984:R.2017
3	Total Dissolved Solids	mg/l	1020	IS 3025:P.16:1984:R.2017
4	COD	mg/l	266	IS:3025:P.58.2006 R.2017
5	BOD at 27°C for 3 days	mg/l	56.0	IS: 3025 P. 44 1993 R. 2019
6	Chlorides as Cl	mg/l	294	4500 Cl ⁻ B
7	Sulphates as SO ₄	mg/l	164	4500 SO ₄ ²⁻ E
8	Oil & Grease	mg/l	8.0	IS 3025 P.39 1991 R.2019

-----End of Report-----



[Signature]
Authorized Signatory

- NOTE:
1. Test results shown in this test report relate only to the items tested.
 2. This test report shall not be reproduce anywhere except in full and in same format without the Approval of the laboratory
 3. Unless informed by the customer the test items will not be retained for more than 10 days from The date of issue of test report (exceptional for Microbiology and wastewater for which retaining time 7 days.)

WASTEWATER QUALITY TEST REPORT: SAMPLE COLLECTED AT INLET OF SEWAGE TREATMENT PLANT



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Sample Drawn By/ Date : Customer / 17.10.2020			Commenced On : 17.10.2020		
Customer's Reference : Letter Dated on 17.10.2020			Completed On : 22.10.2020		
Sample Mark : STP Outlet					
Sl.No	PARAMETERS	UNITS	RESULTS	Tolerance limits for Treated Outlet as per TNPCB	PROTOCOL: APHA 23 rd Edition 2017
1	pH value at 25°C	-	7.78	5.5 to 9.0	4500 H ⁺ B
2	Total Suspended Solids	mg/l	6.0	30	IS:3025: P.17:1984:R.2017
3	Total Dissolved Solids	mg/l	966	2100	IS 3025:P.16:1984:R.2017
4	COD	mg/l	55.0	100	IS:3025:P.58:2006 R.2017
5	BOD at 27°C for 3 days	mg/l	6.0	20	IS: 3025 P. 44 1993 R. 2019
6	Chlorides as Cl	mg/l	275	-	4500 Cl ⁻ B
7	Sulphates as SO ₄	mg/l	116	-	4500 SO ₄ ²⁻ E
8	Oil & Grease	mg/l	BLQ (LOQ=1.0)	-	IS 3025 P.39 1991 R.2019
BLQ= Below Limit of Quantification; LOQ= Limit of Quantification					
Report Opinion: The above submitted water sample meets the TNPCB Standards.					

-----End of Report-----



Authorized Signatory

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**WASTEWATER QUALITY TEST REPORT: SAMPLE COLLECTED AT OUTLET OF
SEWAGE TREATMENT PLANT**