



# Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

An NABL Accredited State Analytical Agency



BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI



No.PBTIENV/170323/001183

1241

Dated : 27/03/2023

ULR : TC611723000000550F

## TEST REPORT

Sample Registration No. : PBTI/ENV/170323/001183  
Sample code given by customer : STP Plant (Untreated Effluent)

### Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary  
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011  
Punjab

### SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400617243, dt. 15/12/2022  
Date & Time of Sample Collection : 17/03/2023 at 12:30pm  
Date & Time of Sample Receipt in Lab : 17/03/2023 at 5:30pm  
Sample Identification No. : PBTI/130323/13, dt. 17.03.2023  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,  
Name/Nature of sample : Untreated Effluent  
Type of Sample : Grab  
Point of Sample Collection : Inlet  
Condition of the sample on Receipt : Intact coded sample under refrigerated and preserved conditions  
Qty/Pkg. : 3.550L approx in plastic and glass bottles  
Sampling Method : Sample drawn by PBTi (Mr. Rajat) as per APHA guidelines  
Test Start Date : 18/03/2023  
Test Completion Date : 27/03/2023

Report for Self Monitoring of the  
Industry on Request basis

PBTi, Mohali

Authorized Signatory

Punjab Biotechnology Incubator Lab  
Employee Code: 16

### Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
5. Perishable samples will be destroyed after testing, others after one month from the date of issue of the report, unless otherwise agreed with the customer or as required by the applicable regulations.

Format No : PBTI/F/7.8/04  
Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

# C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt\_dst



Dated :

ULR : TC611723000000550F

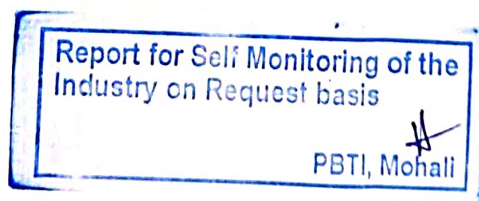
Sample Registration No. : PBTI/ENV/170323/001183

Sample code given by customer : STP Plant (Untreated Effluent)

### Test Results

S.No.	Parameter	Results	Units	Test Method
1	pH	6.82		IS 3025 (Part 11) 2022
2	Total Suspended Solids (TSS)	86.8	mg/l	IS 3025 (Part 17) 2022
3	Total Dissolved Solids (TDS)	786	mg/l	IS 3025 (Part 16) 1984
4	Biochemical Oxygen Demand (BOD <sub>3</sub> at 27°C)	141	mg/l	IS 3025 (Part 44) 1993
5	Chemical Oxygen Demand (COD) Total	256	mg/l	IS 3025 (Part 58) 2006
6	Oil & Grease	1.6	mg/l	IS 3025 (Part 39) 2021
7	Iron (as Fe)	0.31	mg/l	APHA 3125 B By ICP-MS
8	Chloride (as Cl)	160	mg/l	IS 3025 (Part 32)
9	Sulphate (as SO <sub>4</sub> )	38	mg/l	IS 3025 (Part 24)

  
Authorized Signatory  
Punjab Biotechnology Incubator Lab





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Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI



No.PBTI/ENV/170323/001184

1242

Dated : 27/03/2023

ULR : TC611723000000551F

## TEST REPORT

Sample Registration No.

: PBTI/ENV/170323/001184

Sample code given by customer

: STP Plant (Treated Effluent)

### Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary  
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011  
Punjab

### SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400617243, dt. 15/12/2022

Date & Time of Sample Collection : 17/03/2023 at 12:00Noon

Date & Time of Sample Receipt in Lab : 17/03/2023 at 5:30pm

Sample Identification No. : PBTI/130323/12, dt. 17.03.2023

Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,

Name/Nature of sample : Treated Effluent

Type of Sample : Grab

Point of Sample Collection : Outlet

Condition of the sample on Receipt : Intact coded sample under refrigerated and preserved conditions

Qty/Pkg. : 3.550L approx in plastic and glass bottles

Sampling Method : Sample drawn by PBTI (Mr. Rajat) as per APHA guidelines

Test Start Date : 18/03/2023

Test Completion Date : 27/03/2023

Report for Self Monitoring of the  
Industry on Request basis

PBTI, Mohali

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

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Format No : PBTI/F/7.8/06

Revision No. 00 & 25.04.2019

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National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

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Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbttilabs.com, /pbt\_dst



Dated :

ULR : TC611723000000551F

Sample Registration No. : PBTI/ENV/170323/001184

Sample code given by customer : STP Plant (Treated Effluent)

### Test Results

S.No.	Parameter	Requirement as per EPA Rules, 1986 (For use as Irrigation Water)	Results	Units	Test Method
1	pH	5.5 - 9.0	7.51		IS 3025 (Part 11) 2022
2	Total Suspended Solids (TSS)	200 mg/l, Max	18	mg/l	IS 3025 (Part 17) 2022
3	Total Dissolved Solids (TDS)	----	1025	mg/l	IS 3025 (Part 16) 1984
4	Biochemical Oxygen Demand (BOD <sub>3</sub> at 27°C)	100 mg/l, Max	BDL(MDL:1)	mg/l	IS 3025 (Part 44) 1993
5	Chemical Oxygen Demand (COD) Total	----	49	mg/l	IS 3025 (Part 58) 2006
6	Oil & Grease	10 mg/l, Max	BDL(MDL:1)	mg/l	IS 3025 (Part 39) 2021
7	Iron (as Fe)	----	0.15	mg/l	APHA 3125 B By ICP-MS
8	Chloride (as Cl)	----	175	mg/l	IS 3025 (Part 32)
9	Sulphate (as SO <sub>4</sub> )	----	74	mg/l	IS 3025 (Part 24)

BDL:Below Detection Limit

MDL:Method Detection Limit

*[Signature]*  
27/3/2023

Authorized Signatory

Punjab Biotechnology Incubator Lab

