



# Punjab Biotechnology Incubator

Department of Science, Technology & Environment,  
Govt. of Punjab

Notified State Analytical Agency

National Reference Laboratory of FSSAI | Approved as SIRO | PPCB Approved | Notified State Water Lab - GoP | OHSAS Certified



No.PBTIENV/071223/000571

Dated : 18/12/23

## TEST REPORT

Sample Registration No. : PBTI/ENV/071223/000571  
Sample code given by customer : Site: STP Final Outlet

### 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.3400650989,dt. 04/06/2023  
Date & Time of Sample Collection : 07/12/2023 at 12:30pm  
Date & Time of Sample Receipt in Lab : 07/12/2023 at 5:30pm  
Sample Identification No. : PBTI/071223/04,dt.07.12.23  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division-Foundary, Sialbamajri  
Name/Nature of sample : Treated Effluent  
Type of Sample : Grab  
Point of Sample Collection : Outlet  
Condition of the sample on Receipt : Inact coded sample under refrigerated & preserved conditions  
Qty/Pkg. : 3.5L approx. in plastic & glass bottles  
Sampling Method : Sample drawn by (Mr. Deerghayu) PBTi as per APHA guidelines  
Test Start Date : 08/12/2023  
Test Completion Date : 18/12/2023

Report for Self Monitoring of the  
Industry on Request basis

PBTi, Mohali

18.12.23  
Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 12

### 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/7.8/11  
Issue No & Date : 01 & 12.08.2021

Page No. 1/2

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

Knowledge City, Sector-81, SAS Nagar (Mohali) Punjab, India  
Phone : +91-172-2998601, 2998602, 2998603, E-mail : pbt2005@yahoo.com  
Website : www.pbttilabs.com /pbt\_dst




Dated :

Sample Registration No. : PBTI/ENV/071223/000571

Sample code given by customer : Site: STP Final Outlet

### Test Results

S.No.	Parameter	Requirement as per EPA Rules, 1986 (For use as Irrigation Water)	Results	Units	Test Method
1	pH	5.5 to 9.0	8.19		IS 3025 (Part 11) 2022
2	Total Suspended Solids (TSS)	200 mg/l, Max	35	mg/l	IS 3025 (Part 17) 2022
3	Total Dissolved Solids (TDS)	---	902	mg/l	IS 3025 (Part 16) :2023
4	Biochemical Oxygen Demand (BOD <sub>3</sub> at 27°C)	100 mg/l, Max	28	mg/l	IS 3025 (Part 44) : 2023
5	Chemical Oxygen Demand (COD) Total	---	103	mg/l	IS 3025 (Part 58) 2023
6	Oil & Grease	10 mg/l, Max	1.6	mg/l	IS 3025 (Part 39) 2021
7	Iron (as Fe)	---	0.16	mg/l	APHA 3125 B By ICP-MS
8	Chloride (as Cl)	---	87.5	mg/l	IS 3025 (Part 32) 1988
9	Sulphate (as SO <sub>4</sub> )	---	124	mg/l	IS 3025 (Part 24) Sec I : 2022

  
18.12.2023  
Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 12

Report for Self Monitoring of the  
Industry on Request basis

PBTI, Mohali

# Punjab Biotechnology Incubator

Department of Science, Technology & Environment,  
Govt. of Punjab

Notified State Analytical Agency

National Reference Laboratory of FSSAI | Approved as SIRO | PPCB Approved | Notified State Water Lab - GoP | OHSAS Certified



No.PBTIENV/071223/000572 /154

Dated : 18/12/2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/071223/000572  
Sample code given by customer : Site: STP Inlet Area

### 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.3400650989,dt. 04/06/2023  
Date & Time of Sample Collection : 07/12/2023 at 12:40pm  
Date & Time of Sample Receipt in Lab : 07/12/2023 at 5:30pm  
Sample Identification No. : PBTI/071223/05,dt.07.12.23  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division-Foundary, Sialbamajri  
Name/Nature of sample : Untreated Effluent  
Type of Sample : Grab  
Point of Sample Collection : Inlet  
Condition of the sample on Receipt : Inact coded sample under refrigerated & preserved conditions  
Qty/Pkg. : 3.5L approx. in plastic & glass bottles  
Sampling Method : Sample drawn by (Mr. Deerghayu) PBTI as per APHA guidelines  
Test Start Date : 08/12/2023  
Test Completion Date : 18/12/2023

Report for Self Monitoring of the  
Industry on Request basis

PBTI, Mohali

18.12.2023  
Authorized Signatory

Punjab Biotechnology Incubator Lab  
Employee Code: 12

- 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  
Issue No & Date : 02 & 03.10.23

Page No. 1/2

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

Knowledge City, Sector-81, SAS Nagar (Mohali) Punjab, India  
Phone : +91-172-2998601, 2998602, 2998603, E-mail : pbt2005@yahoo.com  
Website : www.pbttilabs.com /pbt\_dst






Dated :

Sample Registration No. : PBTI/ENV/071223/000572

Sample code given by customer : Site: STP Inlet Area

### Test Results

S.No.	Parameter	Results	Units	Test Method
1	pH	7.01		IS 3025 (Part 11) 2022
2	Total Suspended Solids (TSS)	56	mg/l	IS 3025 (Part 17) 2022
3	Total Dissolved Solids (TDS)	643	mg/l	IS 3025 (Part 16) :2023
4	Biochemical Oxygen Demand (BOD <sub>3</sub> at 27°C)	130	mg/l	IS 3025 (Part 44) : 2023
5	Chemical Oxygen Demand (COD) Total	285	mg/l	IS 3025 (Part 58) 2023
6	Oil & Grease	2.1	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)	65	mg/l	IS 3025 (Part 32) 1988
9	Sulphate (as SO <sub>4</sub> )	47	mg/l	IS 3025 (Part 24) Sec I : 2022

  
18.12.2023  
Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 12

Report for Self Monitoring of the  
Industry on Request basis

  
PBTI, Mohali