



# 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.PBTI/ENV/061223/000560 /211

Dated : 21/12/2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/061223/000560  
Sample code given by customer : APCD No- 07 (Sand Drier)

### 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 : 06/12/2023 at 3:40pm  
Date & Time of Sample Receipt in Lab : 06/12/2023 at 4:55pm  
Sample Identification No. : PBTI/111223/01, dt.06.12.23  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj foundary, Sialbamajri  
Name/Nature of sample : **Stack Emission Monitoring**  
Type of Sample : APCD No- 07 (Sand Drier)  
Point of Sample Collection : Port Hole on Stack after APCD  
Condition of the sample on Receipt : Intact coded sample  
Qty/Pkg. : As per standard method  
Sampling Method : Sample drawn by (Mr.Arinder) PBTi as per APHA guidelines  
Test Start Date : 06/12/2023  
Test Completion Date : 18/12/2023

Report for Self Monitoring of the  
Industry on Request basis

PBTi, Mohali

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

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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 : 21/12/2023

Sample Registration No. : PBTI/ENV/061223/000560  
Sample code given by customer : APCD No- 07 (Sand Drier)

### Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm <sup>3</sup> , Max	5.6	mg/Nm <sup>3</sup>	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	—	24	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

*[Signature]*  
18/12/2023  
Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 12

Report for Self Monitoring of the  
Industry on Request basis

*[Signature]*  
PBTI, Mohali



# Punjab Biotechnology Incubator

Department of Science, Technology & Environment,  
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Notified State Analytical Agency

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



No.PBTI/ENV/141223/000625

178

Dated : 20-12-2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/141223/000625  
Sample code given by customer : APCD No-10 (Re Shot Blast-3)

### 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 04/06/2023  
Date & Time of Sample Collection : 14/12/2023 at 3:30pm  
Date & Time of Sample Receipt in Lab : 14/12/2023 at 5:00pm  
Sample Identification No. : PBTI/121223/06, dt.14.12.23  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj foundary, Sialbamajri  
Name/Nature of sample : **Stack Emission Monitoring**  
Type of Sample : APCD No- 10 (Re Shot Blast-3)  
Point of Sample Collection : Port Hole on Stack after APCD  
Condition of the sample on Receipt : Intact coded sample  
Qty/Pkg. : As per standard method  
Sampling Method : Sample drawn by (Mr.Deerghayu) PBTI as per APHA guidelines  
Test Start Date : 15/12/2023  
Test Completion Date : 20/12/2023



*[Signature]*  
20/12/2023  
Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 16

- Note:
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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/141223/000625  
Sample code given by customer : APCD No-10 (Re Shot Blast-3)

### Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm <sup>3</sup> , Max	3.1	mg/Nm <sup>3</sup>	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	29	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

  
20/12/2023  
Authorized Signatory

Punjab Biotechnology Incubator Lab  
Employee Code: 16

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/141223/000626

1179

Dated : 20-12-2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/141223/000626  
Sample code given by customer : APCD No-9 (Re Shot Blast)

### 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 04/06/2023  
Date & Time of Sample Collection : 14/12/2023 at 11:45am  
Date & Time of Sample Receipt in Lab : 14/12/2023 at 5:00pm  
Sample Identification No. : PBTI/121223/07, dt.14.12.23  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj foundary, Sialbamajri  
Name/Nature of sample : **Stack Emission Monitoring**  
Type of Sample : APCD No-9 (Re Shot Blast)  
Point of Sample Collection : Port Hole on Stack after APCD  
Condition of the sample on Receipt : Intact coded sample  
Qty/Pkg. : As per standard method  
Sampling Method : Sample drawn by (Mr.Deerghayu) PBTI as per APHA guidelines  
Test Start Date : 15/12/2023  
Test Completion Date : 20/12/2023

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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Issue No & Date : 01 & 12.08.2021

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Knowledge City, Sector-81, SAS Nagar (Mohali) Punjab, India

Phone : +91-172-2998601, 2998602, 2998603, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com /pbt\_dst



Dated :

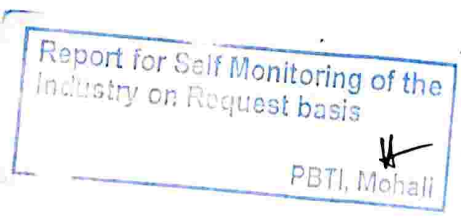
Sample Registration No. : PBTI/ENV/141223/000626  
Sample code given by customer : APCD No-9 (Re Shot Blast)

### Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm <sup>3</sup> , Max	3.8	mg/Nm <sup>3</sup>	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	30	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

*[Signature]*  
20/12/2023  
Authorized Signatory

Punjab Biotechnology Incubator Lab  
Employee Code: 16





# Punjab Biotechnology Incubator

Department of Science, Technology & Environment,  
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Notified State Analytical Agency

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



No.PBTIENV/141223/000627

1/180

Dated : 20-12-2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/141223/000627  
Sample code given by customer : APCD No-16 (Re Shot Blast-04)

### 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 04/06/2023  
Date & Time of Sample Collection : 14/12/2023 at 12:15pm  
Date & Time of Sample Receipt in Lab : 14/12/2023 at 5:00pm  
Sample Identification No. : PBTI/121223/08, dt.14.12.23  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj foundary, Sialbamajri  
Name/Nature of sample : Stack Emission Monitoring  
Type of Sample : APCD No-16 (Re Shot Blast-04)  
Point of Sample Collection : Port Hole on Stack after APCD  
Condition of the sample on Receipt : Intact coded sample  
Qty/Pkg. : As per standard method  
Sampling Method : Sample drawn by (Mr.Deerghayu) PBTI as per APHA guidelines  
Test Start Date : 15/12/2023  
Test Completion Date : 20/12/2023

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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Phone : +91-172-2998601, 2998602, 2998603, E-mail : pbt2005@yahoo.com  
Website : www.pbttilabs.com /pbt\_i\_dst



Dated :

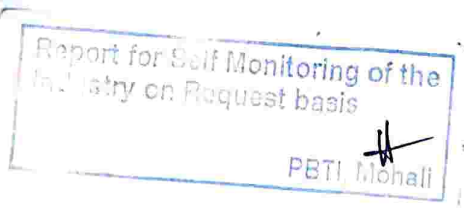
Sample Registration No. : PBTI/ENV/141223/000627  
Sample code given by customer : APCD No-16 (Re Shot Blast-04)

### Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm <sup>3</sup> , Max	3.7	mg/Nm <sup>3</sup>	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	27	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

*[Signature]*  
20/12/2023

Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 16





# Punjab Biotechnology Incubator

Department of Science, Technology & Environment,  
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National Reference Laboratory of FSSAI | Approved as SIRO | PPCB Approved | Notified State Water Lab - GoP | OHSAS Certified



No.PBTIENV/141223/000628

Dated : 20-12-2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/141223/000628  
Sample code given by customer : Shot Blast M/C No- 5

### 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 04/06/2023  
Date & Time of Sample Collection : 14/12/2023 at 1:40pm  
Date & Time of Sample Receipt in Lab : 14/12/2023 at 5:00pm  
Sample Identification No. : PBTI/131223/13, dt.14.12.23  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj foundary, Sialbamajri  
Name/Nature of sample : Stack Emission Monitoring  
Type of Sample : Shot Blast M/C No-5  
Point of Sample Collection : Port Hole on Stack after APCD  
Condition of the sample on Receipt : Intact coded sample  
Qty/Pkg. : As per standard method  
Sampling Method : Sample drawn by (Mr.Deerghayu) PBTI as per APHA guidelines  
Test Start Date : 15/12/2023  
Test Completion Date : 20/12/2023

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/7.8/11

Issue No & Date : 01 & 12.08.2021

Page No. 1/2



Dated :

Sample Registration No. : PBTI/ENV/141223/000628  
Sample code given by customer : Shot Blast M/C No- 5

### Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm <sup>3</sup> , Max	3.3	mg/Nm <sup>3</sup>	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	27	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

*Y. J. 14*  
*20/12/2023*

Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 16

Report for Self Monitoring of the  
Industry on Request basis

*H*  
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.PBTI/ENV/081223/000586

155

Dated : 18/12/2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/081223/000586  
Sample code given by customer : APCD No- 23 HPML Sand Plant

### 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 04/06/2023  
Date & Time of Sample Collection : 07/12/2023 at 2:50pm  
Date & Time of Sample Receipt in Lab : 07/12/2023 at 5:00pm  
Sample Identification No. : PBTI/111223/02, dt.07.12.2023  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj foundary, Sialbamajri  
Name/Nature of sample : **Stack Emission Monitoring**  
Type of Sample : APCD No- 23 HPML Sand Plant  
Point of Sample Collection : Port Hole on Stack after APCD  
Condition of the sample on Receipt : Intact coded sample  
Qty/Pkg. : As per standard method  
Sampling Method : Sample drawn by (Mr.Arinder) 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

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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/081223/000586  
Sample code given by customer : APCD No- 23 HPML Sand Plant

### Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm <sup>3</sup> , Max	11	mg/Nm <sup>3</sup>	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	25	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

  
18.12.2023  
Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 12



# 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.PBTI/ENV/081223/000587

156

Dated : 18/12/2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/081223/000587  
Sample code given by customer : APCD No- 24 (HPML Shake Out)

### 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 04/06/2023  
Date & Time of Sample Collection : 07/12/2023 at 3:40pm  
Date & Time of Sample Receipt in Lab : 07/12/2023 at 5:00pm  
Sample Identification No. : PBTI/111223/03, dt.07.12.2023  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj foundary, Sialbamajri  
Name/Nature of sample : Stack Emission Monitoring  
Type of Sample : APCD No- 24 (HPML Shake Out)  
Point of Sample Collection : Port Hole on Stack after APCD  
Condition of the sample on Receipt : Intact coded sample  
Qty/Pkg. : As per standard method  
Sampling Method : Sample drawn by (Mr.Arinder) 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

18-12-2023  
Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 12

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Website : www.pbttilabs.com /pbt\_dst



Dated :

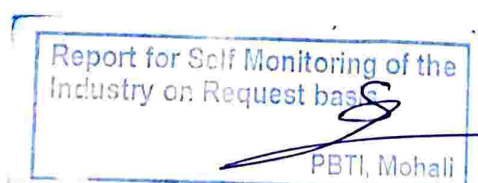
Sample Registration No. : PBTI/ENV/081223/000587  
Sample code given by customer : APCD No- 24 (HPML Shake Out)

### Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm <sup>3</sup> , Max	9.7	mg/Nm <sup>3</sup>	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	25	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

 18.12.2023

Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 12



# 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.PBTI/ENV/081223/000588

Dated : 18/12/2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/081223/000588  
Sample code given by customer : APCD No- 25 (Sand Cooler HPML)

### 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 04/06/2023  
Date & Time of Sample Collection : 07/12/2023 at 4:20 pm  
Date & Time of Sample Receipt in Lab : 07/12/2023 at 5:00pm  
Sample Identification No. : PBTI/111223/04, dt.07.12.2023  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj foundary, Sialbamajri  
Name/Nature of sample : Stack Emission Monitoring  
Type of Sample : APCD No- 25 (Sand Cooler HPML)  
Point of Sample Collection : Port Hole on Stack after APCD  
Condition of the sample on Receipt : Intact coded sample  
Qty/Pkg. : As per standard method  
Sampling Method : Sample drawn by (Mr.Arinder) 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

18.12.2023  
Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 12

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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/081223/000588  
Sample code given by customer : APCD No- 25 (Sand Cooler HPML)

### Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm <sup>3</sup> , Max	49	mg/Nm <sup>3</sup>	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	25	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

  
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.PBTI/ENV/081223/000577

Dated : 22/12/2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/081223/000577  
Sample code given by customer : APCD No- 01

### 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 04/06/2023  
Date & Time of Sample Collection : 08/12/2023 at 11:20am  
Date & Time of Sample Receipt in Lab : 08/12/2023 at 5:00pm  
Sample Identification No. : PBTI/081223/04, dt.08.12.2023  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj foundary, Sialbamajri  
Name/Nature of sample : Stack Emission Monitoring  
Type of Sample : APCD No- 01  
Point of Sample Collection : Port Hole on Stack after APCD  
Condition of the sample on Receipt : Intact coded sample  
Qty/Pkg. : As per standard method  
Sampling Method : Sample drawn by (Mr.Deerghayu) PBTi as per APHA guidelines  
Test Start Date : 08/12/2023  
Test Completion Date : 22/12/2023

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/7.8/11

Issue No & Date : 01 & 12.08.2021

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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 : 22/12/2023

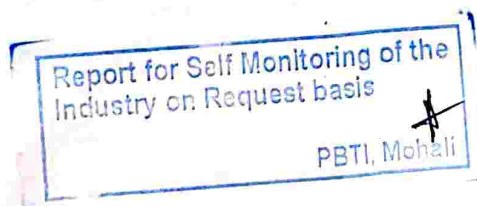
Sample Registration No. : PBTI/ENV/081223/000577  
Sample code given by customer : APCD No- 01

### Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm <sup>3</sup> , Max	3.1	mg/Nm <sup>3</sup>	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	27	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

*[Signature]*  
22/12/2023

Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 16





# 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/081223/000578 / 222

Dated : 22/12/2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/081223/000578  
Sample code given by customer : APCD No- 21

### 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 04/06/2023  
Date & Time of Sample Collection : 08/12/2023 at 12:15Pm  
Date & Time of Sample Receipt in Lab : 08/12/2023 at 5:00pm  
Sample Identification No. : PBTI/081223/05, dt.08.12.2023  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj foundary, Sialbamajri  
Name/Nature of sample : Stack Emission Monitoring  
Type of Sample : APCD No-21  
Point of Sample Collection : Port Hole on Stack after APCD  
Condition of the sample on Receipt : Intact coded sample  
Qty/Pkg. : As per standard method  
Sampling Method : Sample drawn by (Mr.Deerghayu) PBTi as per APHA guidelines  
Test Start Date : 08/12/2023  
Test Completion Date : 22/12/2023

Report for Self Monitoring of the  
Industry on Request basis

PBTi, Mohali

22/12/2023

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.
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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.pbtlabs.com /pbt\_dst



Dated : 22/12/2023

Sample Registration No. : PBTI/ENV/081223/000578

Sample code given by customer : APCD No- 21

### Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm <sup>3</sup> , Max	3.3	mg/Nm <sup>3</sup>	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	30	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

*[Signature]*  
22/12/2023

Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 16

Report for Self Monitoring of the  
Industry on Request basis

*[Signature]*  
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.PBTI/ENV/081223/000579 / 223

Dated : 22/12/2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/081223/000579  
Sample code given by customer : APCD No- 2 Core Knock Out

### 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 04/06/2023  
Date & Time of Sample Collection : 08/12/2023 at 1:30pm  
Date & Time of Sample Receipt in Lab : 08/12/2023 at 5:00pm  
Sample Identification No. : PBTI/081223/06, dt.08.12.2023  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj foundary, Sialbamajri  
Name/Nature of sample : Stack Emission Monitoring  
Type of Sample : APCD No- 2 Core Knock Out  
Point of Sample Collection : Port Hole on Stack after APCD  
Condition of the sample on Receipt : Intact coded sample  
Qty/Pkg. : As per standard method  
Sampling Method : Sample drawn by (Mr.Deerghayu) PBTi as per APHA guidelines  
Test Start Date : 08/12/2023  
Test Completion Date : 22/12/2023

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.
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Format No : PBTI/F/7.8/11

Issue No & Date : 01 & 12.08.2021

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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\_i\_dst



Dated : 22/12/2023

Sample Registration No. : PBTI/ENV/081223/000579  
Sample code given by customer : APCD No- 2 Core Knock Out

### Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm <sup>3</sup> , Max	2.9	mg/Nm <sup>3</sup>	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	27	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

22/12/2023

Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 16

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/081223/000580

224

Dated : 22/12/2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/081223/000580  
Sample code given by customer : APCD No-3

### 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 04/06/2023  
Date & Time of Sample Collection : 08/12/2023 at 2:50pm  
Date & Time of Sample Receipt in Lab : 08/12/2023 at 5:00pm  
Sample Identification No. : PBTI/081223/07, dt.08.12.2023  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj foundary, Sialbamajri  
Name/Nature of sample : Stack Emission Monitoring  
Type of Sample : APCD No- 3  
Point of Sample Collection : Port Hole on Stack after APCD  
Condition of the sample on Receipt : Intact coded sample  
Qty/Pkg. : As per standard method  
Sampling Method : Sample drawn by (Mr.Deerghayu) PBTI as per APHA guidelines  
Test Start Date : 08/12/2023  
Test Completion Date : 22/12/2023

Report for Self Monitoring of the  
Industry on Request basis

PBTI, Mohali

Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 16

### Note:

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Format No : PBTI/F/7.8/11  
Issue No & Date : 01 & 12.08.2021

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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 : 22/12/2023

Sample Registration No. : PBTI/ENV/081223/000580  
Sample code given by customer : APCD No-3

### Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm <sup>3</sup> , Max	3.4	mg/Nm <sup>3</sup>	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	28	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

*[Signature]*  
22/12/2023  
Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 16

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/081223/000581

225

Dated : 22/12/2023

## TEST REPORT

Sample Registration No. : PBTI/ENV/081223/000581  
Sample code given by customer : APCD No- 6 New Sand Plant

### 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 04/06/2023  
Date & Time of Sample Collection : 08/12/2023 at 3:45pm  
Date & Time of Sample Receipt in Lab : 08/12/2023 at 5:00pm  
Sample Identification No. : PBTI/121223/05, dt.08.12.2023  
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj foundary, Sialbamajri  
Name/Nature of sample : Stack Emission Monitoring  
Type of Sample : APCD No- 6 New Sand Plant  
Point of Sample Collection : Port Hole on Stack after APCD  
Condition of the sample on Receipt : Intact coded sample  
Qty/Pkg. : As per standard method  
Sampling Method : Sample drawn by (Mr.Deerghayu) PBTI as per APHA guidelines  
Test Start Date : 08/12/2023  
Test Completion Date : 22/12/2023

Report for Self Monitoring of the  
Industry on Request basis

PBTI, Mohali

Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 16

- Note:
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  2. There is no addition, deviation or exclusion from the method mentioned.
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Phone : +91-172-2998601, 2998602, 2998603, E-mail : pbt2005@yahoo.com  
Website : www.pbtlabs.com /pbt\_dst



Dated : 22/12/2023

Sample Registration No. : PBTI/ENV/081223/000581  
Sample code given by customer : APCD No- 6 New Sand Plant

### Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm <sup>3</sup> , Max	3.6	mg/Nm <sup>3</sup>	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	—	20	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

*[Signature]*  
22/12/2023

Authorized Signatory  
Punjab Biotechnology Incubator Lab  
Employee Code: 16

Report for Self Monitoring of the  
Industry on Request basis  
PBTI, Mohali