



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/081223/000582

1170

Dated : 20/12/23

TEST REPORT

Sample Registration No. : PBTI/ENV/081223/000582
Sample code given by customer : Near ETP Discharge

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 To 08/12/2023 11:40am to 11:40am
Date & Time of Sample Receipt in Lab : 08/12/2023 at 5:00pm
Sample Identification No. : PBTI/111223/05, dt.08.12.23
Site of Sample Collection : Mahindra & Mahindra Swaraj Foundary, Sialbamajri
Name/Nature of sample : Ambient Air Monitoring
Type of Sample : NA
Point of Sample Collection : Near ETP Discharge
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 CPCB & PPCB guidelines
Test Start Date : 08/12/2023
Test Completion Date : 19/12/2023

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

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/081223/000582

Sample code given by customer : Near ETP Discharge

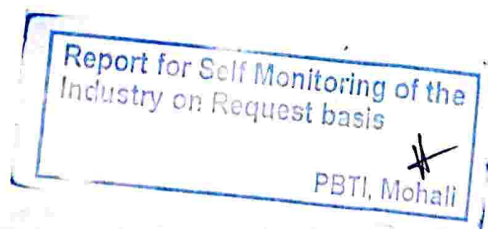
Test Results

S.No.	Parameter	NAAQS CPCB 2009 (Only For Guideline purpose)	Results	Units	Test Method
1	Sulphur Dioxide (SO ₂)	Max 80	BDL(MDL:4)	µg/m ³	IS 5182 (Part 2)
2	Nitrogen Dioxide (NO ₂)	Max 80	27.7	µg/m ³	IS 5182 (Part 6)
3	Particulate Matter size < 10 µm or (PM 10)	Max 100	163	µg/m ³	IS 5182 (Part 23)
4	Particulate Matter size < 2.5 µm or (PM 2.5)	Max 60	4.5	µg/m ³	IS 5182 (Part 23)
5	Ozone (O ₃)	Max 100	BDL(MDL:20)	µg/m ³	IS 5182 (Part 9)
6	Lead (as Pb)	Max 1.0	BDL(MDL 0.5)	µg/m ³	APHA Air
7	Carbon monoxide (CO)	Max 2.0	BDL(MDL:1.13)	mg/m ³	APHA Air
8	Ammonia (NH ₃)	Max 400	12.3	µg/m ³	APHA Air
9	Benzene	Max 5.0	BDL(MDL 1)	µg/m ³	IS 5182 (Part 11)
10	Benzo(a)pyrene (BaP)	Max 1.0	BDL(MDL 2.5)	ng/m ³	APHA Air
11	Arsenic (As)	Max 6.0	BDL(MDL 3.0)	ng/m ³	APHA Air
12	Nickel (as Ni)	Max 20.0	BDL(MDL 10.0)	ng/m ³	APHA Air

BDL:Below Detection Limit

MDL:Method Detection Limit

PBTI
20/12/2023
Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code: 16





Punjab Biotechnology Incubator

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

Notified State Analytical Agency

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No.PBTI/ENV/081223/000583

171

Dated : 20/12/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/081223/000583
Sample code given by customer : 66 KVA

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 To 08/12/2023 12:30pm to 12:30pm
Date & Time of Sample Receipt in Lab : 08/12/2023 at 5:00pm
Sample Identification No. : PBTI/061223/03, dt.08.12.23
Site of Sample Collection : Mahindra & Mahindra Swaraj Foundary, Sialbamajri
Name/Nature of sample : Ambient Air Monitoring
Type of Sample : NA
Point of Sample Collection : 66 KVA
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 CPCB & PPCB guidelines
Test Start Date : 08/12/2023
Test Completion Date : 19/12/2023

Report for Self Monitoring of the
Industry on Request basis

PBTI, Mohali

20/12/2023

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

Note:

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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.pbtlabs.com /pbt_dst



Dated :

Sample Registration No. : PBTI/ENV/081223/000583
Sample code given by customer : 66 KVA

Test Results

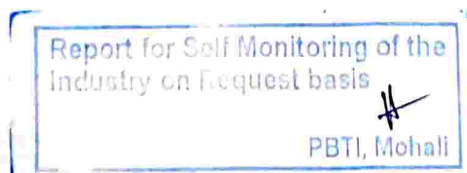
S.No.	Parameter	NAAQS CPCB 2009 (Only For Guideline purpose)	Results	Units	Test Method
1	Sulphur Dioxide (SO ₂)	Max 80	BDL(MDL:4)	µg/m ³	IS 5182 (Part 2)
2	Nitrogen Dioxide (NO ₂)	Max 80	30	µg/m ³	IS 5182 (Part 6)
3	Particulate Matter size < 10 µm or (PM 10)	Max 100	177	µg/m ³	IS 5182 (Part 23)
4	Particulate Matter size < 2.5 µm or (PM 2.5)	Max 60	4.3	µg/m ³	IS 5182 (Part 23)
5	Ozone (O ₃)	Max 100	BDL(MDL:20)	µg/m ³	IS 5182 (Part 9)
6	Lead (as Pb)	Max 1.0	BDL(MDL 0.5)	µg/m ³	APHA Air
7	Carbon monoxide (CO)	Max 2.0	BDL(MDL:1.13)	mg/m ³	APHA Air
8	Ammonia (NH ₃)	Max 400	11	µg/m ³	APHA Air
9	Benzene	Max 5.0	BDL(MDL:1)	µg/m ³	IS 5182 (Part 11)
10	Benzo(a)pyrene (BaP)	Max 1.0	BDL(MDL:2.5)	ng/m ³	APHA Air
11	Arsenic (As)	Max 6.0	BDL(MDL 3)	ng/m ³	APHA Air
12	Nickel (as Ni)	Max 20.0	BDL(MDL 10.0)	ng/m ³	APHA Air

BDL:Below Detection Limit

MDL:Method Detection Limit

[Signature]
20/12/2023

Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code: 16





Punjab Biotechnology Incubator

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

Notified State Analytical Agency

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No.PBTIENV/071223/000573

112

Dated : 20/12/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/071223/000573
Sample code given by customer : Site: Back Side Utility

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 To 07/12/2023 12:15Pm to 12:00 noon
Date & Time of Sample Receipt in Lab : 07/12/2023 at 5:30PM
Sample Identification No. : PBTI/061223/01, dt.07.12.23
Site of Sample Collection : Mahindra & Mahindra Swaraj Foundary, Sialbamajri
Name/Nature of sample : **Ambient Air Monitoring**
Type of Sample : NA
Point of Sample Collection : Back Side Utility
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 CPCB & PPCB guidelines
Test Start Date : 07/12/2023
Test Completion Date : 19/12/2023

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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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/071223/000573

Sample code given by customer : Site: Back Side Utility

Test Results

S.No.	Parameter	NAAQS CPCB 2009 (Only For Guideline purpose)	Results	Units	Test Method
1	Sulphur Dioxide (SO ₂)	Max 80	BDL(MDL:4)	µg/m ³	IS 5182 (Part 2)
2	Nitrogen Dioxide (NO ₂)	Max 80	30	µg/m ³	IS 5182 (Part 6)
3	Particulate Matter size < 10 µm or (PM 10)	Max 100	260	µg/m ³	IS 5182 (Part 23)
4	Particulate Matter size < 2.5 µm or (PM 2.5)	Max 60	8.8	µg/m ³	IS 5182 (Part 23)
5	Ozone (O ₃)	Max 100	BDL(MDL:20)	µg/m ³	IS 5182 (Part 9)
6	Lead (as Pb)	Max 1.0	BDL(MDL 0.5)	µg/m ³	APHA Air
7	Carbon monoxide (CO)	Max 2.0	BDL(MDL:1.13)	mg/m ³	APHA Air
8	Ammonia (NH ₃)	Max 400	13.4	µg/m ³	APHA Air
9	Benzene	Max 5.0	BDL(MDL:1)	µg/m ³	IS 5182 (Part 11)
10	Benzo(a)pyrene (BaP)	Max 1.0	BDL(MDL:2.5)	ng/m ³	APHA Air
11	Arsenic (As)	Max 6.0	BDL(MDL 3.0)	ng/m ³	APHA Air
12	Nickel (as Ni)	Max 20.0	BDL(MDL 10.0)	ng/m ³	APHA Air

BDL:Below Detection Limit

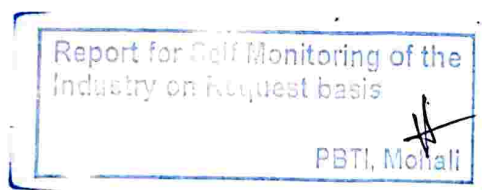
MDL:Method Detection Limit

[Signature]
20/12/2023

Authorized Signatory

Punjab Biotechnology Incubator Lab

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Govt. of Punjab

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No.PBTIENV/071223/000574

Dated :

20/12/23

TEST REPORT

Sample Registration No. : PBTI/ENV/071223/000574
Sample code given by customer : Site: New Fire Hydrant

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 To 07/12/2023 11:45am to 11:30 am
Date & Time of Sample Receipt in Lab : 07/12/2023 at 5:30PM
Sample Identification No. : PBTI/061223/02, dt.07.12.23
Site of Sample Collection : Mahindra & Mahindra Swaraj Foundary, Sialbamajri
Name/Nature of sample : Ambient Air Monitoring
Type of Sample : NA
Point of Sample Collection : New Fire Hydrant
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 CPCB & PPCB guidelines
Test Start Date : 07/12/2023
Test Completion Date : 19/12/2023

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Industry on Request basis

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Website : www.pbttilabs.com /pbt_dst



Dated :

Sample Registration No. : PBTI/ENV/071223/000574

Sample code given by customer : Site: New Fire Hydrant

Test Results

S.No.	Parameter	NAAQS CPCB 2009 (Only For Guideline purpose)	Results	Units	Test Method
1	Sulphur Dioxide (SO ₂)	Max 80	BDL(MDL:4)	µg/m ³	IS 5182 (Part 2)
2	Nitrogen Dioxide (NO ₂)	Max 80	32.7	µg/m ³	IS 5182 (Part 6)
3	Particulate Matter size < 10 µm or (PM 10)	Max 100	105	µg/m ³	IS 5182 (Part 23)
4	Particulate Matter size < 2.5 µm or (PM 2.5)	Max 60	14	µg/m ³	IS 5182 (Part 23)
5	Ozone (O ₃)	Max 100	BDL(MDL:20)	µg/m ³	IS 5182 (Part 9)
6	Lead (as Pb)	Max 1.0	BDL(MDL 0.5)	µg/m ³	APHA Air
7	Carbon monoxide (CO)	Max 2.0	BDL(MDL:1.13)	mg/m ³	APHA Air
8	Ammonia (NH ₃)	Max 400	12.1	µg/m ³	APHA Air
9	Benzene	Max 5.0	BDL(MDL:1)	µg/m ³	IS 5182 (Part 11)
10	Benzo(a)pyrene (BaP)	Max 1.0	BDL(MDL:2.5)	ng/m ³	APHA Air
11	Arsenic (As)	Max 6.0	BDL(MDL 3.0)	ng/m ³	APHA Air
12	Nickel (as Ni)	Max 20.0	BDL(MDL 10.0)	ng/m ³	APHA Air

BDL:Below Detection Limit

MDL:Method Detection Limit

[Signature]
20/12/2023

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