



SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH

(A unit of Shriram Scientific and Industrial Research Foundation)

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TEST CERTIFICATE

000371131

Issued to :

UMARPUR OKHLA WASTE MANAGEMENT COMPANY PVT. LTD.
OLD NDMC COMPOST PLANT,
ADJACENT OKHLA SEWAGE TREATMENT PLANT,
MATHURA ROAD, OKHLA,
NEW DELHI - 110025-

Kind Attn: MR VIRAT CHOWDHARY

Sample Particulars :

One sample of ambient air collected by our representative as per details given below was received

J.O.No. Env-678/AQ
Reg.No. 4227895
Date 15-06-2015
GC-01 (REV-04)
Your Ref.No. PONO 4500002873
Date 15.04.2015

TEST RESULTS

1. Name & address of the premises : M/s. Timarpur Okhla Waste Management Co. Pvt. Ltd.
Old NDMC Compost Plant,
Adjacent Okhla Sewage Treatment Plant
Mathura Road, New Delhi-110025
- a) Plant Representative : Mr. Sandip Dutt, G. M
- b) Product Manufactured : Power Generation by processing MSW
2. Sampling Location : Centre of Park, inside the plant premises
3. Date of sampling : 21.05.2015 to 22.05.2015
4. Sampling started at (Hrs.) : 12:20 on 21.05.2015
5. Sampling completed at (Hrs.) : 12:30 on 22.05.2015
6. Actual duration of sampling (minutes) : 1442.4
7. Flow rate for PM₁₀ (m³/min), average : 0.975
8. Total volume of air sampled for PM₁₀ (m³) : 1358.52
after flow calibration
9. Total volume of air sampled for PM_{2.5} (m³) : 24.207
after flow calibration

Results Table

S. No.	Parameter	Unit	Test Value	MoEF's NAAQ Standards	Protocol / Method
1.	Sulphur dioxide (as SO ₂)	µg/m ³	Not Detected	Max. 80 µg/m ³ (24-hr.)	IS: 5182 (Pt-2) 2001 (Reaffirmed - 2006)
2.	Nitrogen oxides (as NO ₂)	µg/m ³	72	Max. 50 µg/m ³ (24-hr.)	IS: 5182 (Pt-6) 2006 (Reaffirmed - 2009)
3.	Respirable particulate matter (PM ₁₀)	µg/m ³	155	Max. 100 µg/m ³ (24-hr.)	5182 (Pt-23) 2006 (Reaffirmed - 2009)
4.	Fine particulate matter (PM _{2.5})	µg/m ³	62	Max. 60 µg/m ³ (24-hr.)	SOP No.SRI/EPD/Air Lab/01 dt.01.04.2014
5.	Ozone (O ₃), µg/m ³ [8 hr-avg.]	µg/m ³	248	Max. 100 µg/m ³ (8-hr.)	ISC, Method No. 417, ASTM:D5156-2008
6.	Particulate Lead content (as Pb)	µg/m ³	0.07	Max. 1 µg/m ³ (24-hr.)	IS: 5182 (Pt-22) 2004 (Reaffirmed - 2009)
7.	Carbon monoxide (as CO) [8 hr-avg.]	mg/m ³	5.6	Max. 2 mg/m ³ (8-hr.)	IS: 5182 (Pt-10) 1999 (Reaffirmed - 2009)
8.	Ammonia (NH ₃)	µg/m ³	74	Max. 400 µg/m ³ (24-hr.)	ISC Method -401
9.	Benzene (C ₆ H ₆)	µg/m ³	6.9	5 µg/m ³ , (Annual Avg.)	IS: 5182 (Pt-11) 2006 (Reaffirmed - 2009)
10.	Benzo (a) Pyrene (BaP)	ng/m ³	0.4	1 ng/m ³ , (Annual Avg.)	IS: 5182 (Pt-12), By GC-MS
11.	Arsenic (As)	ng/m ³	0.5	6 ng/m ³ (Annual Avg.)	ASTM:D4185-2006
12.	Nickel (Ni)	ng/m ³	10	20 ng/m ³ , (Annual Avg.)	ASTM:D4185-2006

Detection Limit of SO₂ = 5 µg/m³

D.O.R.: 22.05.2015
D.O.C.: 12.06.2015

AUTHORISED SIGNATORY
(EMPLOYEE CODE: 699)