

**ISSUED TO:**

**M/s. MUMBAI WASTE MANAGEMENT LYD.,  
(A DIVISION OF RAMKY ENVIRO ENGINEERES LTD)  
PLOT NO: P-32, BEHIND GALAXY SURFACTANTS,  
MIDC TALOJA,  
PANVEL TALUKA, RAIGAD DISTRICT,  
MAHARASTHRA 410 208**

Report Number : VLL/VLS/25/13976/AAQ/01  
Issue Date : 2025.10.15  
P.O. Number : 0400130175  
P.O. Date : 22.09.2025

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**Sample Particulars: Ambient Air Quality**

Sample Collected on	: 2025.09.26	Samples Registered on	: 2025.09.29
Analysis started on	: 2025.09.30	Analysis Completed on	: 2025.10.15
Locations	: 1. Admin Building, 2. Above DG 125 KVA Building, 3. Above Top of Landfill		
Samples collected by Vimta Labs Limited			

**TEST REPORT**

S. No	Parameters	Test Method	Units	NAAQ LIMITS	WZAAQ-1	WZAAQ-2	WZAAQ-3
1	Particulate Matter PM10	Gravimetric Method	$\mu\text{g}/\text{m}^3$	100	74.3	72.1	77.1
2	Particulate Matter PM2.5	Gravimetric Method	$\mu\text{g}/\text{m}^3$	60	36.2	43.3	45.4
3	Ammonia NH <sub>3</sub>	Indophenol Blue Method	$\mu\text{g}/\text{m}^3$	400	68.7	67.8	69.3
4	Sulphur Dioxide SO <sub>2</sub>	Improved West and Gaeke Method	$\mu\text{g}/\text{m}^3$	80	42.3	38.9	41.7
5	Nitrogen Dioxide NO <sub>2</sub>	Modified Jacob & Hochheiser Method	$\mu\text{g}/\text{m}^3$	80	41.8	56.9	54.4
6	Benzene C <sub>6</sub> H <sub>6</sub>	Solvent Extraction followed by GC analysis	$\mu\text{g}/\text{m}^3$	05	1.45	1.53	1.62
7	Benzo(a) Pyrene in particulate phase	Solvent Extraction followed by GC analysis	$\text{ng}/\text{m}^3$	01	0.49	0.64	0.35
8	Arsenic as As	AAS/ICP Method	$\text{ng}/\text{m}^3$	06	<1.0	<1.0	<1.0
9	Nickel as Ni	AAS/ICP Method	$\text{ng}/\text{m}^3$	20	12.7	14.5	13.2
10	Lead as Pb	AAS/ICP Method	$\mu\text{g}/\text{m}^3$	1.0	0.057	0.052	0.047

- PM2.5, PM10, SO<sub>2</sub>, NO<sub>2</sub>, NH<sub>3</sub>, C<sub>6</sub>H<sub>6</sub>, BaP & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs. Basis
- Below Detectable Limit for As, Ni, Pb 0.1  $\mu\text{g}/\text{m}^3$
- Below Detectable Limit for NH<sub>3</sub> 20  $\mu\text{g}/\text{m}^3$
- Below Detectable Limit for Benzene 0.01  $\mu\text{g}/\text{m}^3$
- Below Detectable Limit for BaP 0.01  $\text{ng}/\text{m}^3$

**Name and Designation of Authorized Signatory**



**Dr. Subba Reddy Mallampati**  
Manager-Environment

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**TEST REPORT**

Results	Date	Units	Parameters					
			Ozone O3			Carbon Monoxide CO		
	2025.09.26	$\mu\text{g}/\text{m}^3$	15.8	18.3	16.3	541	535	546
	2025.09.26	$\mu\text{g}/\text{m}^3$	16.2	17.3	15.6	536	527	532
	2025.09.26	$\mu\text{g}/\text{m}^3$	15.2	16.9	16.4	544	531	539
Test of method			UV photometric method			NDIR spectroscopy method		
Limits as per NAAQS, $\mu\text{g}/\text{m}^3$			100			2000		

- Ozone and CO is monitored on 8 hours basis
- Below Detectable Limit for Ozone - 2.0  $\mu\text{g}/\text{m}^3$
- Below Detectable Limit for CO - 50  $\mu\text{g}/\text{m}^3$

**Name and Designation of Authorized Signatory**



**Dr. Subba Reddy Mallampati  
Manager-Environment**