



# SHIVA TEST HOUSE

(Serving since 1988)



TC-10582

RECOGNISED AS ENVIRONMENTAL LABORATORY BY MoEFCC, GOVT. OF INDIA, UNDER ENVIRONMENT (PROTECTION) ACT 1986, DEPTT. OF INDUSTRY, FORESTS & ENVIRONMENT, GOVT. OF BIHAR AND BIHAR STATE POLLUTION CONTROL BOARD

## TEST REPORT

Ref. No. STH/TR/24-25/136-138		Dt: 11.04.2024		Your Work Order No. BDBPL/2023-24/WO-32A		Dt: 15.06.2023	
[a] Name and address of the Customer				BIHAR DISTILLERS & BOTTLERS PVT. LTD. VILL. DEVRI P.O.: GARHANI, ARRAH DIST. BHOJPUR – 802 203			
[b] Details of Sample				Monitoring of Ambient Air Quality			
[c] Sample Collected by				By Prem Kumar (Lab Representative) of Shiva Test House on 03.04.24			
[d] Sampling Location				Premises of Bihar Distillers & Bottlers Pvt. Ltd.			
[e] Method of Sampling				IS 5182 (Part - 14)			
[f] Sampling Environmental Condition				Temp. (°C)	36	Humidity (%)	52
[g] Details of Sample Container (No. & Type of Container)				Filter Paper; Glass Impinger			
[h] Instrument ID				STH/Equip/83, 70,84,71,85,72			
[i] Sample Quantity				30 ml x 18 (for each NO <sub>2</sub> , SO <sub>2</sub> )			
[j] Sample Condition on Receipt				Fit for Analysis			
[k] Items required to be tested				As per contract			
[l] Whether any specific Method of Test has been suggested by the customer				No			
[m] Date of receiving the sample in Laboratory				04.04.24			
[n] Analysis Start Date / Analysis Completion Date				04.04.24 / 09.04.24			
Parameters	Unit	Method of Test	Limit as per NAAQS 2009	Sampling Station / Result			
				Near Main Gate (SC-A-136/04/24)	Near Warehouse (SC-A-137/04/24)	Near Packing Material Store (SC-A-138/04/24)	
Particulate Matter (PM <sub>10</sub> )	µg / m <sup>3</sup>	IS 5182 (Part-23)	100 µg / m <sup>3</sup>	71.8	68.8	68.9	
				65.8	65.0	64.2	
				70.1	67.2	67.7	
Particulate Matter (PM <sub>2.5</sub> )	µg / m <sup>3</sup>	IS 5182 (Part-24)	60 µg / m <sup>3</sup>	40.5	45.2	40.5	
				31.6	31.4	30.4	
				41.8	41.4	39.2	
Sulphur Dioxide as SO <sub>2</sub>	µg / m <sup>3</sup>	IS 5182 (Part-2)	80 µg / m <sup>3</sup>	16.1	16.8	15.1	
				14.4	14.1	12.3	
				11.1	10.9	10.1	
				10.1	11.9	9.1	
				13.1	12.8	13.1	
Nitrogen Dioxide as NO <sub>2</sub>	µg / m <sup>3</sup>	IS 5182 (Part-6)	80 µg / m <sup>3</sup>	15.1	15.8	16.1	
				41.0	40.3	40.	
				32.1	37.0	37.7	
				24.6	26.2	24.6	
				28.0	23.5	26.0	
Average Value	µg / m <sup>3</sup>			33.5	35.6	33.5	
				39.0	41.0	38.3	
PM <sub>10</sub>	µg / m <sup>3</sup>			69.3	67.0	66.9	
PM <sub>2.5</sub>	µg / m <sup>3</sup>			38.0	39.3	36.7	
SO <sub>2</sub>	µg / m <sup>3</sup>			13.3	13.7	12.6	
NO <sub>2</sub>	µg / m <sup>3</sup>			33.1	33.9	33.4	

Shibeswar Prasad

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Verified by :

Dr. Shibeshwar Prasad  
Technical Manager



Shreyasee Prasad

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Authorized Signatory

Dr. (Mrs.) Shreyasee Prasad  
Quality Manager

-- END OF TEST REPORT --

1. This report applies only to sample tested as above.
2. Total Liability of our Laboratory is limited to invoiced amount.
3. Test Report endorsed only the tests and not the product certificate.
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Contact us :

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## TEST REPORT

Ref. No. STH/TR/24-25/136-138(A)		Dt: 11.04.2024		Your Work Order No. BDBPL/2023-24/WO-32A		Dt: 15.06.2023							
[a] Name and address of the Customer		BIHAR DISTILLERS & BOTTLERS PVT. LTD. VILL. DEVRI P.O.: GARHANI ARRAH DIST. BHOJPUR – 802 203											
[b] Details of Sample		Monitoring of Ambient Air Quality											
[c] Sample Collected by		By Prem Kumar (Lab Representative) of Shiva Test House on 03.04.24											
[d] Sampling Location		Premises of Bihar Distillers & Bottlers Pvt. Ltd.											
[e] Method of Sampling		IS 5182 (Part - 14)											
[f] Sampling Environmental Condition		Temp. (°C)		36		Humidity (%)		52					
[g] Details of Sample Container (No. & Type of Container)		Filter Paper ; Glass Impinger											
[h] Sample Quantity		30 ml x 18 (for each NO <sub>2</sub> , SO <sub>2</sub> )											
[i] Items required to be tested		As per contract											
[j] Whether any specific Method of Test has been suggested by the customer		No											
[k] Date of receiving the sample in Laboratory		04.04.24											
[l] Analysis Start Date / Analysis Completion Date		04.04.24 / 09.04.24											
Parameters		Method of Test		Unit		Specification as per NAAQS (Nov. '2009)		Sampling Station/ Results					
								Near Main Gate (SC-A-136/04/24)	Near Warehouse (SC-A-137/04/24)	Near Packing Material Store (SC-A-138/04/24)			
1. Lead (Pb)		IS 5182 (Part-22)		µg / m <sup>3</sup>		1		0.07		0.06		0.09	
2. Ammonia as NH <sub>3</sub>		IS 5182 (Part-5)		µg / m <sup>3</sup>		400		12.6		11.6		13.7	
3. Ozone (O <sub>3</sub> )		IS 5182 (Part-9)		µg / m <sup>3</sup>		180		40.2		34.6		41.2	

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Verified by :  
Dr. Shibeshwar Prasad  
Technical Manager

Authorized Signatory  
Dr. (Mrs.) Shreyasee Prasad  
Quality Manager

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## TEST REPORT

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[a] Name and address of the Customer		BIHAR DISTILLERS & BOTTLERS PVT. LTD. VILL. DEVRI P.O.: GARHANI ARRAH DIST. BHOJPUR – 802 203							
[b] Details of Sample		Monitoring of Ambient Air Quality							
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[e] Method of Sampling		IS 5182 (Part - 14)							
[f] Sampling Environmental Condition		Temp. (°C)		36		Humidity (%)		52	
[g] Details of Sample Container (No. & Type of Container)		Filter Paper ; Glass Impinger							
[h] Sample Quantity		30 ml x 18 (for each NO <sub>2</sub> , SO <sub>2</sub> )							
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[k] Date of receiving the sample in Laboratory		04.04.24							
[l] Analysis Start Date / Analysis Completion Date		04.04.24 / 09.04.24							
Parameters	Method of Test	Unit	Specification as per NAAQS (Nov. '2009)	Sampling Station / Results					
				Near Main Gate (SC-A-136/04/24)	Near Warehouse (SC-A-137/04/24)	Near Packing Material Store (SC-A-138/04/24)			
1. Carbon Monoxide (CO)	IS 5182 (Part-10)	mg / m <sup>3</sup>	4	0.46	0.46	0.34			
2. Benzene (C <sub>6</sub> H <sub>6</sub> )	IS 5182 (Part-12)	µg / m <sup>3</sup>	5	0.12	0.15	0.17			

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Dr. Shibeshwar Prasad  
Technical Manager



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Dr. (Mrs.) Shreyasee Prasad  
Quality Manager

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