



# T. R. ASSOCIATES

## LABORATORY

Survey No. 272/3, Opp. New Gujarat High Court, Royal Enfield Showroom Lane, S.G. Highway,  
Ahmedabad-380060. Gujarat • Mo. : +91 9825371099  
E-mail : trassolab@yhoo.com, trassociates@ymail.com

### TEST REPORT

Report No: TRA-05/2837/16

Reporting Date: 03.06.2016

Company Name	Formica Laminates (India) Pvt. Ltd.	Sample Code & Sample Description	05/2837/16
Address	Block No.591/592, 6th K.M. Stone Kalol-Vamaj Road,Village: Piyaj Taluka: Kalol - 382721 District: Gandhinagar Gujarat, India.	Nature of Sample	STP Final
		Quantity	1 ltr
		Date of Sampling	28.05.2016
Sample Received Date	30.05.2016	Sampling Method	IS-3025/APHA
Analysis Starts on	30.05.2016	Sample Drawn By	Hemant/kaushik
Analysis Completion On	02.06.2016	Environmental Condition During Testing	25±5°C
Condition During Sample receive	Satisfactory		

Sr. No.	Parameters	Unit	Results	Testing Method	GPCB Permissible Limits
1.	pH@25°C	-	7.79	IS 3025(Part 11)	---
2.	Total Suspended solids	mg/L	12.0	IS 3025 (Part-17)	<20 mg/L
3.	BOD	mg/L	16.2	IS 3025 (Part -44)	<30 mg/L
4.	*Residual Chlorine	mg/L	0.4	APHA 4500 B	Minimum 0.5 ppm

\* Indicates these parameters are not covered under NABL Scope.

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Analyzed By: Nisha Patel Sign: Designation: Environment chemist	Authorized Signatory: Darshit Dave Sign: Designation: Quality Manager
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#### Terms & Conditions:

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#### Reg. Office Address

Ganesh Meridian, Block No - C, Office No - 605A, Opp. Kargil Petrol Pump, Nr. Sola Over Bridge,  
B/s. Shapath Hexa, S.G. Highway, Ahmedabad - 380 060.  
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### TEST REPORT

Reporting Date: 12.12.2015

Client Name	Formica Laminates (India) Pvt. Ltd.	Sampling Date	28.05.2016
Address	Block No.591/592, 6th K.M. Stone, Kalol-Vamaj Road Village: Piyaj, Taluka: Kalol – 382721, District: Gandhinagar Gujarat, India.	Operating Condition of Source	Satisfactory
Sampling Instruments	Noise Meter-Lutron SL4001	Sample Drawn By	Hemant Patel

Sr. No.	Location of Sampling	Results	Time of Monitoring	Unit	Sampling Method	GPCB Permissible Limit
1.	Near Office	60.1	10:45 A.M	dB (A)	IS 9989:1991	75
2.	Near Main Gate	63.4	11:05 A.M	dB (A)	IS 9989:1991	75
3.	Nr.Boiler	70.8	11:20 A.M	dB (A)	IS 9989:1991	75
4.	Nr.D.G Set	74.6	12:00 P.M	dB (A)	IS 9989:1991	75
5.	Nr. M.F Area	72.1	14:20 P.M	dB (A)	IS 9989:1991	75
6.	Nr .P.F Area	71.6	14:26 P.M	dB (A)	IS 9989:1991	75
7.	Nr ETP	64.5	16:30 P.M	dB (A)	IS 9989:1991	75

Day Time 6:00 AM TO 10:00 PM

Night Time 10:00 PM TO 06:00 AM

Authorized Signatory: Daashit Dave

Sign:

Designation: Technical Manager

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### TEST REPORT

Report No: TRA-05/2835/16

Reporting Date: 03.06.2016

Client Name	Formica Laminates (India) Pvt. Ltd.	Sample Code	05/2835/16
Address	Block No.591/592, 6th K.M. Stone Kalol-Vamaj Road,Village: Piyaj Taluka: Kalol - 382721 District: Gandhinagar Gujarat, India.	Nature of Sample	Ambient air
		Ambient Location	Near M.F Plant Area
		Date and Time of Sampling Start	28.05.2016 (10:05 AM)
Sample Receiving Date	30.05.2016	Date and Time of Sampling Completed	28.05.2016 (06:00 PM)
Condition During Sample receive	Satisfactory	Total hrs of Sampling	8.00 hrs
Environmental Condition During Testing	25±5°C	Sample Drawn By	Hemant Patel
Analysis Completion On	02.06.2016	Environmental Condition During Sampling	Ambient Temperature

Sr. No.	Parameters	Unit	Results	Sampling Method	Testing Method	GPCB Permissible Limit
1.	PM <sub>10</sub>	µg/m <sup>3</sup>	81.7	IS 5182 (Part-23)	IS 5182 (Part-23)	100
2.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	36.3	STP No. TRA/STP/AA/02 based on instrument manufactures Manual	STP No. TRA/STP/AA/02 based on instrument manufactures Manual	60
3.	SO <sub>2</sub>	µg/m <sup>3</sup>	26.7	IS 5182 (Part-2)	IS 5182 (Part-2)	80
4.	NO <sub>2</sub>	µg/m <sup>3</sup>	34.8	IS 5182 (Part-6)	IS 5182 (Part-6)	80
5.	*# VOC	µg/m <sup>3</sup>	24.8	Solvent extraction followed by GC Analyses	Solvent extraction followed by GC Analyses	-

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Analyzed By: Hemant Patel Sign: <i>Hemant Patel</i> Designation: Environmental Chemist	Authorized Signatory: Darsht Dave Sign: <i>Darsht Dave</i> Designation: Technical Manager
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### TEST REPORT

Report No: TRA-05/2834/16

Reporting Date: 03.06.2016

Client Name	Formica Laminates (India) Pvt. Ltd.	Sample Code	05/2834/16
Address	Block No.591/592, 6th K.M. Stone Kalol-Vamaj Road, Village: Piyaj Taluka: Kalol - 382721 District: Gandhinagar Gujarat, India.	Nature of Sample	Ambient air
		Ambient Location	Nr Main Gate
		Date and Time of Sampling Start	28/05/2016 (09:50 AM)
Sample Receiving Date	30.05.2016	Date and Time of Sampling Completed	28/05/2016 (05:50 PM)
Condition During Sample receive	Satisfactory	Total hrs of Sampling	8.00 hrs
Environmental Condition During Testing	25±5°C	Sample Drawn By	Hemant Patel
Analysis Completion On	02.06.2016	Environmental Condition During Sampling	Ambient Temperature

Sr. No.	Parameters	Unit	Results	Sampling Method	Testing Method	GPCB Permissible Limit
1.	PM <sub>10</sub>	µg/m <sup>3</sup>	77.3	IS 5182 (Part-23)	IS 5182 (Part-23)	100
2.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	48.8	STP No. TRA/STP/AA/02 based on instrument manufactures Manual	STP No. TRA/STP/AA/02 based on instrument manufactures Manual	60
3.	SO <sub>2</sub>	µg/m <sup>3</sup>	28.3	IS 5182 (Part-2)	IS 5182 (Part-2)	80
4.	NO <sub>2</sub>	µg/m <sup>3</sup>	30.3	IS 5182 (Part-6)	IS 5182 (Part-6)	80

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Analyzed By: Hemant Patel Sign: <i>Hemant Patel</i> Designation: Environmental Chemist	Authorized Signatory: <i>Darshit Dave</i> Sign: <i>Darshit Dave</i> Designation: Technical Manager
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### TEST REPORT

Report No: TRA-05/2836/16

Reporting Date: 03.06.2016

Client Name	Formica Laminates (India) Pvt. Ltd.	Sample Code	05/2836/16
Address	Block No.591/592, 6th K.M. Stone Kalol-Vamaj Road Village: Piyaj Taluka: Kalol - 382721 District: Gandhinagar Gujarat, India.	Nature of Sample	Ambient air
		Ambient Location	Nr ADM Office
		Date and Time of Sampling Start	28.05.2016 (10:15 AM)
Sample Receiving Date	30.05.2016	Date and Time of Sampling Completed	28.05.2016 (06:20 PM)
Condition During Sample receive	Satisfactory	Total hrs of Sampling	8.00 hrs
Environmental Condition During Testing	25±5°C	Sample Drawn By	Hemant Patel
Analysis Completion On	02.06.2016	Environmental Condition During Sampling	Ambient Temperature

Sr. No.	Parameters	Unit	Results	Sampling Method	Testing Method	GPCB Permissible Limit
1.	PM <sub>10</sub>	µg/m <sup>3</sup>	76.3	IS 5182 (Part-23)	IS 5182 (Part-23)	100
2.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	41.3	STP No. TRA/STP/AA/02 based on instrument manufactures Manual	STP No. TRA/STP/AA/02 based on instrument manufactures Manual	60
3.	SO <sub>2</sub>	µg/m <sup>3</sup>	23.3	IS 5182 (Part-2)	IS 5182 (Part-2)	80
4.	NO <sub>2</sub>	µg/m <sup>3</sup>	30.4	IS 5182 (Part-6)	IS 5182 (Part-6)	80

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Analyzed By: Hemant Patel Sign: <i>H. Patel</i> Designation: Environmental Chemist	Authorized Signatory: <i>Deepshikha Dave</i> Sign: <i>Deepshikha Dave</i> Designation: Technical Manager / Q.M
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### TEST REPORT

Report No: TRA-05/2830/16

Reporting Date: 03.06.2016

Client Name	Formica Laminates (India) Pvt. Ltd.	Sample Code & Stack Attached to	05/2830/16
Address	Block No.591/592, 6th K.M. Stone Kalol-Vamaj Road,Village: Piyaj Taluka: Kalol - 382721 District: Gandhinagar Gujarat, India.	Nature of Sample	D.G. Set
		Date of Sampling	Stack Emission
		Stack Height	28.05.2016
Sample Received Date	30.05.2016	Stack Diameter	11 m
Analysis Starts on	31.05.2016	Stack gas Velocity	12 inch
Analysis Completion On	02.06.2016	Sample Drawn By	11.82 m/s
Stack Temperature	140°C	Flow Rate in m3	Hemant Patel
Type of Fuel used	Diesel	Environmental Condition During Sampling	0.599
Environmental Condition During Testing	25±5°C	Environmental Condition During Sample receive	Ambient Temperature
			Satisfactory

Sr. No.	Parameters	Unit	Results	Sampling Method	Testing Method	GPCB Permissible Limit
1.	PM	mg/Nm <sup>3</sup>	90.2	IS 11255 (part-1)	IS 11255 (part-1)	150
2.	SO <sub>2</sub>	ppm	10.5	IS 11255 (part-2)	IS 11255 (part-2)	100
3.	NO <sub>2</sub>	ppm	5.4	IS 11255 (Part-7)	IS 11255 (Part-7)	50

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Analyzed By: Hemant Patel Sign: <i>Hemant Patel</i> Designation: Environmental Chemist	Authorized Signatory: Darghit Dave Sign: <i>Darghit Dave</i> Designation: Technical Manager (Q.M)
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### TEST REPORT

Report No: TRA-05/2831/16

Reporting Date: 03.06.2016

Client Name	Formica Laminates (India) Pvt. Ltd.	Sample Code & Stack Attached to	05/2831/16
Address	Block No.591/592, 6th K.M. Stone Kalol-Vamaj Road,Village: Piyaj Taluka: Kalol - 382721 District: Gandhinagar Gujarat, India.	Nature of Sample	High Pressure Hot Water generator
		Date of Sampling	Stack Emission
		Stack Height	28.05.2016
Sample Received Date	30.05.2016	Stack Diameter	30 m
Analysis Starts on	31.05.2016	Stack gas Velocity	4 ft
Analysis Completion On	02.06.2016	Sample Drawn By	9.26 m/s
Stack Temperature	103°C	Flow Rate in m3	Hemant Patel/Darshit Dave
Type of Fuel used	Imported Coal	Environmental Condition During Sampling	0.600
Environmental Condition During Testing	25±5°C	Environmental Condition During Sample receive	Ambient Temperature
			Satisfactory

Sr. No.	Parameters	Unit	Results	Sampling Method	Testing Method	GPCB Permissible Limit
1.	PM	mg/Nm <sup>3</sup>	109.0	IS 11255 (part-1)	IS 11255 (part-1)	150
2.	SO <sub>2</sub>	ppm	21.0	IS 11255 (part-2)	IS 11255 (part-2)	100
3.	NO <sub>2</sub>	ppm	12.2	IS 11255 (Part-7)	IS 11255 (Part-7)	50

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Analyzed By: Hemant Patel Sign: <i>H. Patel</i> Designation: Environmental Chemist	Authorized Signatory: Darshit Dave Sign: <i>Darshit Dave</i> Designation: Technical Manager / Q.M
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### TEST REPORT

Report No: TRA No: TRA-05/2832/16

Reporting Date: 03.06.2016

Client Name	Formica Laminates (India) Pvt. Ltd.	Sample Code & Stack Attached to	05/2832/16
Address	Block No.591/592, 6th K.M. Stone Kalol-Vamaj Road,Village: Piyaj Taluka: Kalol - 382721 District: Gandhinagar Gujarat, India.	Nature of Sample	Dust Collector
		Date of Sampling	Stack Emission
		Stack Height	28.05.2016
Sample Received Date	30.05.2016	Stack Diameter	15 m
Analysis Starts on	31.05.2016	Stack gas Velocity	18 inch
Analysis Completion On	02.06.2016	Sample Drawn By	9.85 m/s
Stack Temperature	46°C	Flow Rate in m3	Hemant Patel
Type of Fuel used	--	Environmental Condition During Sampling	0.593
Environmental Condition During Testing	25±5°C	Environmental Condition During Sample receive	Ambient Temperature
			Satisfactory

Sr. No.	Parameters	Unit	Results	Sampling Method	Testing Method	GPCB Permissible Limit
1.	PM	mg/Nm <sup>3</sup>	29.5	IS 11255 (part-1)	IS 11255 (part-1)	150

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Analyzed By: Hemant Patel Sign: <i>[Signature]</i> Designation: Environmental Chemist	Authorized Signatory: <i>[Signature]</i> Sign: <i>[Signature]</i> Designation: Technical Manager / Q.M
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Reporting Date: 03.06.2016

Client Name	Formica Laminates (India) Pvt. Ltd.	Sample Code & Stack Attached to	05/2833/16
Address	Block No.591/592, 6th K.M. Stone Kalol-Vamaj Road, and Village: Piyaj, Taluka: Kalol - 382721 District: Gandhinagar Gujarat, India.	Nature of Sample	Dryer Scrubber
		Date of Sampling	Stack Emission
		Stack Height	28.05.2016
Sample Received Date	30.05.2016	Stack Diameter	15 m
Analysis Starts on	31.05.2016	Stack gas Velocity	4 ft
Analysis Completion On	02.06.2016	Sample Drawn By	8.7 m/s
Stack Temperature	45°C	Flow Rate in m3	Hemant Patel
Type of Fuel used	--	Environmental Condition During Sampling	0.584
Environmental Condition During Testing	25±5°C	Environmental Condition During Sample receive	Ambient Temperature
			Satisfactory

Sr. No.	Parameters	Unit	Results	Sampling Method	Testing Method	GPCB Permissible Limit
1.	PM	mg/Nm <sup>3</sup>	20.0	IS 11255 (part-1)	IS 11255 (part-1)	150

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Analyzed By: Hemant Patel Sign: H. J. Patel Designation: Environmental Chemist	Authorized Signatory: Dushit Dave Sign: Dushit Dave Designation: Technical Manager / D.M.
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