



AVON FOOD LAB (PVT.) LTD.

(ENVIRONMENT DIVISION)

NABL Accredited Laboratory Certificate No. T-0750 & T-0751
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Annex - A

Page 01 of 01

Process Air Quality

TEST REPORT

Issued to : M/s Maharani Innovative Paints Private Limited 49th K.M. Stone, Khasra No.-122 Mathura Road, Vill.Prathila Plant Dist. Palwal	Sample code : 16/12/15/06 Report No. : AFLPL/ENV/16/12/15/06 Date of Issue : 26/12/2015 Reference No.: Repeated Work Order No, RP-000142, Date -: 07/05/2015
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SAMPLE PARTICULARS

1 Sample Description : Process Air

Details of sampling		Physical observations	
(a) Date of Sampling	: 15/12/2015	(a) Ambient temp. (Max/Min)	: 20.4 / 6.5 °C
(b) Time of sampling	: 10:45 Hr. to 18:45 Hr.	(b) Weather Condition	: Clear
(c) Sampling Protocol	: AFLPL/SOP/ENV/24,25,26	(c) Wind direction	: Stationary Inside
(d) Equipment Used	: Handy Sampler APM 820	(d) Sampling Flow rate for SPM	: 2.0 LPM
(e) Sampling Done By	: Mr. Jagdish	(e) Sampling Flow rate for RSPM/PM-10 (Ave)	: NA
(f) Duration of Sampling	: 480 Minutes	(f) Sampling Flow rate for Gases (Ave.)	: 2.0 LPM
(g) Sampling Location	: Resin Plant First Floor		
(h) Height of sampling Location	: 2.0 mtr.from Ground Level		

TEST RESULTS

Test started on : 16/12/2015 Test completed on : 21/12/2015

Sl. no.	Parameter	Unit	Results	Specification/Requirement	Test Method
1	SPM	mg/m ³	0.520	15.0 (as per OSHA)	Gravimetric Method
2	Sulphur dioxide (SO ₂)	mg/m ³	0.26	5 (Factory Act)	IS : 5182 (P-02), 2001
3	Nitrogen Dioxide (NO ₂)	mg/m ³	0.39	6 (Factory Act)	IS : 5182 (P-06), 2006
4	Lead (Pb)	mg/m ³	0.02	0.15 (Factory Act)	IS : 5182 (P-22),2004 Reaff 2009
5	Carbon Monoxide (CO)	mg/m ³	0.44	40 (Factory Act)	Gas Analyser Method
6	Toluene	mg/m ³	11	375 (Factory Act)	IS : 5182 (P-11),2006 Reaff 2006
7	Xylene	mg/m ³	14	435 (Factory Act)	IS : 5182 (P-11),2006 Reaff 2006


 Pinky Rai
 Authorised Signatory

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Annex-1

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Process Air Quality

TEST REPORT

Issued to : M/s Maharani Innovative Paints Private Limited 49th K.M. Stone, Khasra No.-122 Mathura Road, Vill.Prathila Plant Dist. Palwal	Sample code : 16/12/15/05 Report No. : AFLPL/ENV/16/12/15/05 Date of Issue : 26/12/2015 Reference No.: Repeated Work Order No, RP-000142, Date -: 07/05/2015
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SAMPLE PARTICULARS

1 Sample Description : Process Air

Details of sampling		Physical observations	
(a) Date of Sampling	: 15/12/2015	(a) Ambient temp. (Max/Min)	: 20.4 / 6.5 °C
(b) Time of sampling	: 10:00 Hr. to 18:00 Hr.	(b) Weather Condition	: Clear
(c) Sampling Protocol	: AFLPL/SOP/ENV/24,25,26	(c) Wind direction	: Stationary Inside
(d) Equipment Used	: Handy Sampler APM 820/ 850	(d) Sampling Flow rate for SPM	: 2.0 LPM
(e) Sampling Done By	: Mr. Jagdish	(e) Sampling Flow rate for RSPM/PM-10 (Ave)	: NA
(f) Duration of Sampling	: 480 Minutes	(f) Sampling Flow rate for Gases (Ave.)	: 2.0 LPM
(g) Sampling Location	: Liquid Paint Section		
(h) Height of sampling Location	: 2.0 mtr.from Ground Level		

TEST RESULTS

Test started on : 16/12/2015

Test completed on : 21/12/2015

Sl. no.	Parameter	Unit	Results	Specification/Requirement	Test Method
1	SPM	mg/m ³	0.58	15.0 (as per OSHA)	Gravimetric Method
2	Sulphur dioxide (SO ₂)	mg/m ³	0.027	5 (Factory Act)	IS : 5182 (P-02), 2001
3	Nitrogen Dioxide (NO ₂)	mg/m ³	0.034	6 (Factory Act)	IS : 5182 (P-06), 2006
4	Lead (Pb)	mg/m ³	0.01	0.15 (Factory Act)	IS : 5182 (P-22),2004 Reaff 2009
5	Carbon Monoxide (CO)	mg/m ³	0.345	40 (Factory Act)	Gas Analyser Method
6	Toluene	mg/m ³	nd (DL=1.0)	375 (Factory Act)	IS : 5182 (P-11),2006 Reaff 2006
7	Xylene	mg/m ³	nd (DL=1.0)	435 (Factory Act)	IS : 5182 (P-11),2006 Reaff 2006


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Annex-A

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Process Air Quality

TEST REPORT

Issued to : M/s Maharani Innovative Paints Private Limited 49th K.M. Stone, Khasra No.-122 Mathura Road, Vill.Prathila Plant Dist. Palwal	Sample code : 16/12/15/04 Report No. : AFLPL/ENV/16/12/15/04 Date of Issue : 26/12/2015 Reference No.: Repeated Work Order No, RP-000142, Date -: 07/05/2015
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SAMPLE PARTICULARS


1 Sample Description : Process Air

Details of sampling		Physical observations	
(a) Date of Sampling	: 15/12/2015	(a) Ambient temp. (Max/Min)	: 20.4 / 6.5 °C
(b) Time of sampling	: 10:30 Hr. to 18:30 Hr.	(b) Weather Condition	: Clear
(c) Sampling Protocol	: AFLPL/SOP/ENV/24,25,26	(c) Wind direction	: Stationary Inside
(d) Equipment Used	: Handy Sampler APM 820	(d) Sampling Flow rate for SPM	: 2.0 LPM
(e) Sampling Done By	: Mr. Jagdish	(e) Sampling Flow rate for RSPM/PM-10 (Ave)	: NA
(f) Duration of Sampling	: 480 Minutes	(f) Sampling Flow rate for Gases (Ave.)	: 2.0 LPM
(g) Sampling Location	: Sludge Primer Section		
(h) Height of sampling Location	: 2.0 mtr.from Ground Level		

TEST RESULTS

Test started on : 16/12/2015 Test completed on : 21/12/2015

Sl. no.	Parameter	Unit	Results	Specification/Requirement	Test Method
1	SPM	mg/m ³	0.486	15.0 (as per OSHA)	Gravimetric Method
2	Sulphur dioxide (SO ₂)	mg/m ³	0.25	5 (Factory Act)	IS : 5182 (P-02), 2001
3	Nitrogen Dioxide (NO ₂)	mg/m ³	0.4	6 (Factory Act)	IS : 5182 (P-06), 2006
4	Lead (Pb)	mg/m ³	0.01	0.15 (Factory Act)	IS : 5182 (P-22),2004 Reaff 2009
5	Carbon Monoxide (CO)	mg/m ³	0.345	40 (Factory Act)	Gas Analyser Method
6	Toluene	mg/m ³	12	375 (Factory Act)	IS : 5182 (P-11),2006 Reaff 2006
7	Xylene	mg/m ³	9	435 (Factory Act)	IS : 5182 (P-11),2006 Reaff 2006


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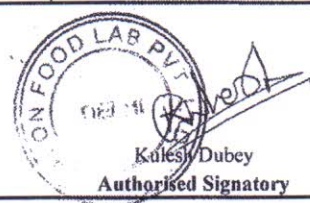
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Annex-B

Page 01 of 01

WASTE WATER ANALYSIS					
TEST REPORT					
Issued to : M/s. Maharani Innovative Paints Pvt. Ltd. 49th K.M. Stone, Khasra No. 122, Mathura Road, Village: Prithia, Distt. Palwal,			Sample Code : 28/03/16/03 Report No.: AFLPL/ENV/28/03/16/03 Date of Issue : 04/04/2016 Reference No. : N.A.		
SAMPLE PARTICULARS					
(1) Sample Name/Description : Waste Water "ETP Outlet (After Treatment)"					
(2) Sample Quantity : 2 Ltr.					
(3) Sample Pkg. Condition : Plastic Bottle					
Details of Sampling					
(a) Date of Sampling : 28/03/2016			(d) Equipment Used : N.A.		
(b) Time of Sampling : 10:30 Hrs.			(e) Sampling Done By : Mr. Anil		
(c) Sampling Protocol : IS: 3025 (P-1)			(f) Sampling location : ETP Outlet		
TEST RESULTS					
Test Started on : 28/03/2016			Test Completed on : 04/04/2016		
S.No.	Parameter	Unit	Results	CPCB General Standard for Discharge of Env. Pollutants (Inland Surface water)	Test Method
1	pH	...	6.99	6.0 - 9.0	APHA 4500 H ⁺ (B) 22nd edn. 2012
2	Total Suspended Solids (TSS)	mg/L	27.4	100, Max	APHA 2540 D 22nd edn. 2012
3	Biochemical Oxygen Demand (27 °C, for 3 days)	mg/L	28	30, Max	APHA 5210-B 22nd edn. 2012
4	Chemical Oxygen Demand	mg/L	244	250, Max	APHA 5220-B 22nd edn. 2012
5	Oil & Grease	mg/L	n.d.(DL-3.0)	10, Max	APHA 5520 - B 22nd edn. 2012
n.d. - Not Detected DL - Detection Limit					
					
<ul style="list-style-type: none"> * The results listed refer only to the tested sample and applicable parameter. * This report, in full or in part, shall not be used for advertising or as evidence in any court of law. * This report can not be reproduced, except when in full, without the written permission of the Director. * The sample will be destroyed after three weeks from the date of issue of the test report. (in case of non-perishable products only) * The liability of the laboratory is limited to the invoiced amount. * All disputes are subjected to the Delhi Jurisdiction. 					

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Ambient Air Quality

TEST REPORT

Issued to : M/s Maharani Innovative Paints Private Limited 49th K.M. Stone, Khasra No.-122 Mathura Road, Vill.Prathila Plant Dist. Palwal	Sample code : 16/12/15/02 Report No. : AFLPL/ENV/16/12/15/02 Date of Issue : 26/12/2015 Reference No.: Repeated Work Order No, RP-000142, Date -: 07/05/2015
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SAMPLE PARTICULARS

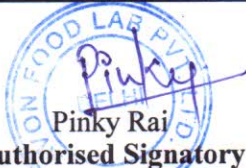
1 Sample Description : Ambient Air

Details of sampling		Physical observations	
(a) Date of Sampling	: 15/12/2015 - 16/12/2015	(a) Ambient temp. (Max/Min)	: 20.4 / 6.5 °C
(b) Time of sampling	: 11:00 Hr. to 11:00 Hr.	(b) Weather Condition	: Clear
(c) Sampling Protocol	: IS 5182 (Part -14) 2000	(c) Wind direction	: East to West
(d) Equipment Used	: PM 10/2.5 Sampler & Respirable Dust Sampler	(d) Sampling Flow rate for SPM	: NA
(e) Sampling Done By	: Mr. Jagdish Singh	(e) Sampling Flow rate for RSPM/PM-10 (Ave)	: 1.17 Cu. mtr/min
(f) Duration of Sampling	: 24 Hr.	(f) Sampling Flow rate for Gases (Ave.)	: 0.5 LPM
(g) Sampling Location	: Near RM Store Area		
(h) Height of sampling Location	: 2.0 mtr.from Ground Level		

TEST RESULTS

Sl.	Parameter	Unit	Results	Specification/Requirement	Test Method
1	RSPM (PM-10)	µg/m ³	88	100 (For 24 Hrs)	IS : 5182 (P-23), 2006
2	PM-2.5	µg/m ³	49	60 (For 24 Hrs)	Gravimetric Method
3	Sulphur Dioxide (SO ₂)	µg/m ³	20	80 (For 24 Hrs)	IS : 5182 (P-02), 2001
4	Nitrogen Dioxide (NO ₂)	µg/m ³	43	80 (For 24 Hrs)	IS : 5182 (P-06), 2006
5	Carbon Monoxide (CO)	mg/m ³	0.69	02 (For 8 Hrs)	Gas Analyser Method
6	Ammonia (NH ₃)	µg/m ³	38	400 (For 24 Hrs)	Indophenol Blue Method,
7	Ozone (O ₃)	µg/m ³	36	100 (For 8 Hrs)	IS : 5182 (P-09) 1974, Reaff.2009
8	C ₆ H ₆	µg/m ³	ND (DL= 1.0)	05 (For Annual)	IS : 5182 (P-11) 2006, Reaff. 2010
9	BAP	ng/m ³	ND (DL= 0.1)	01 (For Annual)	IS : 5182 (P-12) 2004, Reaff.2009
10	Arsenic	ng/m ³	ND (DL= 1.0)	06 (For Annual)	IS : 5182 (P-22),2004 Reaff 2009
11	Nickel	ng/m ³	4.4	20 (For Annual)	IS : 5182 (P-22),2004 Reaff 2009
12	Lead (Pb)	µg/m ³	0.63	01 (For 24 Hrs)	IS : 5182 (P-22),2004 Reaff 2009

ND = Not Detected
DL = Detection Limits

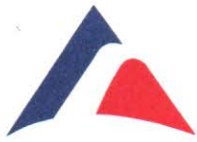

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Annex-C

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Ambient Air Quality

TEST REPORT

Issued to : M/s Maharani Innovative Paints Private Limited 49th K.M. Stone, Khasra No.-122 Mathura Road, Vill.Prathila Plant Dist. Palwal	Sample code : 16/12/15/03
	Report No. : AFLPL/ENV/16/12/15/03
	Date of Issue : 26/12/2015
	Reference No.: Repeated Work Order No, RP-000142, Date -: 07/05/2015

SAMPLE PARTICULARS

1 Sample Description : Ambient Air

Details of sampling		Physical observations	
(a) Date of Sampling	: 15/12/2015 - 16/12/2015	(a) Ambient temp. (Max/Min)	: 20.4 / 6.5 °C
(b) Time of sampling	: 11:30 Hr. to 11:30 Hr.	(b) Weather Condition	: Clear
(c) Sampling Protocol	: IS 5182 (Part -14) 2000	(c) Wind direction	: East to West
(d) Equipment Used	: PM 10/2.5 Sampler & Respirable Dust Sampler	(d) Sampling Flow rate for SPM	: NA
(e) Sampling Done By	: Mr. Jagdish Singh	(e) Sampling Flow rate for RSPM/PM-10 (Ave)	: 1.16 Cu. mtr/min
(f) Duration of Sampling	: 24 Hr.	(f) Sampling Flow rate for Gases (Ave.)	: 0.5 LPM
(g) Sampling Location	: Near Shade No.-05		
(h) Height of sampling Location	: 2.0 mtr.from Ground Level		

TEST RESULTS

Test started on : 16/12/2015

Test completed on : 21/12/2015

Sl.	Parameter	Unit	Results	Specification/Requirement	Test Method
1	RSPM (PM-10)	µg/m ³	91	100 (For 24 Hrs)	IS : 5182 (P-23), 2006
2	PM-2.5	µg/m ³	51	60 (For 24 Hrs)	Gravimetric Method
3	Sulphur Dioxide (SO ₂)	µg/m ³	23	80 (For 24 Hrs)	IS : 5182 (P-02), 2001
4	Nitrogen Dioxide (NO ₂)	µg/m ³	45	80 (For 24 Hrs)	IS : 5182 (P-06), 2006
5	Carbon Monoxide (CO)	mg/m ³	0.805	02 (For 8 Hrs)	Gas Analyser Method
6	Ammonia (NH ₃)	µg/m ³	42	400 (For 24 Hrs)	Indophenol Blue Method,
7	Ozone (O ₃)	µg/m ³	38	100 (For 8 Hrs)	IS : 5182 (P-09) 1974, Reaff.2009
8	C ₆ H ₆	µg/m ³	ND (DL= 1.0)	05 (For Annual)	IS : 5182 (P-11) 2006, Reaff. 2010
9	BAP	ng/m ³	ND (DL= 0.1)	01 (For Annual)	IS : 5182 (P-12) 2004, Reaff.2009
10	Arsenic	ng/m ³	ND (DL= 1.0)	06 (For Annual)	IS : 5182 (P-22),2004 Reaff 2009
11	Nickel	ng/m ³	4.1	20 (For Annual)	IS : 5182 (P-22),2004 Reaff 2009
12	Lead (Pb)	µg/m ³	0.59	01 (For 24 Hrs)	IS : 5182 (P-22),2004 Reaff 2009

ND = Not Detected
DL = Detection Limits


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