



Idma Laboratories Limited

(A Government Approved Test House)

NABL/MOEF/BIS/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

TEST REPORT

Ref. No. IL/D-8561	Date 20.12.17	Lab No. 131217ED-NL-006	Page No. 1/1
Customer	City Emporium Pvt. Ltd. Plot No. 143 A, Industrial Area, Phase -1 Chandigarh Chandigarh		
Type of Sample	AMBIENT AIR		
Customer's Description of Sample	AMBIENT AIR		
Quantity	1 No		
Packing, Markings	Filter Paper Packed in Polythene Pouch		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.	E MAIL	Dated	29/11/2017
Date of Receipt of Sample	13/12/2017		
Period of Analysis	13/12/2017 To 15/12/2017		
Sampling Team Idma	Mr. Bhagwan Je & Team	Client	Mr. Sachin Arya
Sampling Location	Main Gate		
Visual Observation	N/A		
Date of Sampling	12/12/2017		
Date of Reporting	15/12/2017		
Sampling Protocol	IS: 5182		
Testing Protocol	IS 5182		

RESULTS

S.No.	Test Parameter	Units	Results	Requirements (MAX)	Test Method
1	Particulate Matter (PM2.5)*	µg/m³	21	60	CPCB Guidelines (NAAQMS/36/2012-13)
2	Sulphur Dioxide (SO2)	µg/m³	10	80	IS : 5182 (P-2), 2001
3	Nitrogen Dioxide (NO2)	µg/m³	29	80	IS: 5182 (P-6), 2006

End of Report

For Idma Laboratories Limited

Authorized Signatory



Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

Tel. No. : 0172-2577391, 5064827, 5064830, Fax No. : 91-172-2583587

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TEST REPORT

Ref. No. IL/DSC69	Date 20.12.17	Lab No.	131217ED-NL-007	Page No. 1/1
Customer	City Emporium Pvt. Ltd. Plot No. 143 A, Industrial Area, Phase -1 Chandigarh Chandigarh			
Type of Sample	AMBIENT AIR			
Customer's Description of Sample	AMBIENT AIR			
Quantity	1 No			
Packing, Markings	Filter Paper Packed in Polythene Pouch			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.	E MAIL		Dated	29/11/2017
Date of Receipt of Sample	13/12/2017			
Period of Analysis	13/12/2017 To 15/12/2017			
Sampling Team Idma	Mr. Bhagwan Je & Team		Client	Mr. Sachin Arya
Sampling Location	Inside Mall			
Visual Observation	N/A			
Date of Sampling	12/12/2017			
Date of Reporting	15/12/2017			
Sampling Protocol	IS: 5182			
Testing Protocol	IS 5182			

RESULTS

S.No.	Test Parameter	Units	Results	Requirements (MAX)	Test Method
1	Particulate Matter (PM10)	µg/m³	69	100	IS: 5182 (P-23), 2006
2	Particulate Matter (PM2.5)*	µg/m³	24	60	CPCB Guidelines (NAAQMS/36/2012-13)
3	Sulphur Dioxide (SO2)	µg/m³	12	80	IS : 5182 (P-2), 2001
4	Nitrogen Dioxide (NO2)	µg/m³	30	80	IS: 5182 (P-6), 2006

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TEST REPORT

Ref. No. IL/D-8563	Date 20.12.17	Lab No. 131217ED-NL-008	Page No. 1/2
Customer	City Emporium Pvt. Ltd. Plot No. 143 A, Industrial Area, Phase -1 Chandigarh Chandigarh		
Type of Sample	Stack Emissions & Noise Level (DG Set)		
Customer's Description of Sample	Stack Emissions & Noise Level (DG Set)		
Quantity	1 No		
Packing, Markings	Thimble Packed in Polythene Pouch		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.	E MAIL		
Date of Receipt of Sample	13/12/2017	Dated	29/11/2017
Period of Analysis	13/12/2017 To 18/12/2017		
Sampling Team Idma	Mr. Bhagwan Je & Team	Client	Mr. Sachin Arya
Sampling Location	DG Set Cummins (1010KVA) S. No. 25334280		
Visual Observation	N/A		
Date of Sampling	12/12/2017		
Date of Reporting	18/12/2017		
Sampling Protocol	IS: 11255		
Testing Protocol	IS: 11255 & IS: 9989		

RESULTS

S.No.	Test Parameter	Units	Results	Standards (MAX)	Test Method
1	Stack Height	meter	30	-	-
2	Stack Dia	meter	0.304	-	-
3	Sampling Flow Rate	LPM	14	-	IS 11255 (P-3) 2003
4	Period of Sampling	Minutes	50	-	IS 11255 (P-3) 2003
5	Ambient Temperature	°C	15	-	IS 11255 (P-3) 2003
6	Temperature of Stack Gases	°C	131	-	IS 11255 (P-3) 2003
7	Velocity of Stack Gases	m/sec	10.4	-	IS 11255 (P-3) 2003
8	Volumetric Flow rate of stack gases	Nm ³ /hr	1944	-	IS 11255 (P-3) 2003
9	Particulate Matter (PM)	(at 15% O ₂), mg/Nm ³	62	-	IS 11255 (P-1) 1985
10	Sulphur Dioxide (SO ₂)	g/Kw-hr	32	-	IS 11255 (P-2) 2003
11	Nitrogen Dioxide (NO ₂)	(as NO ₂) (AT 15% O ₂), dry basis, in ppmv	116	-	IS 11255 (P-7) 2005
12	Noise Level				
13	0.5 m surface acountic enclosure when door is open	dB(A)	97	-	IS:7194(1994)RA:2005





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TEST REPORT

Ref. No. IL/D-8563		Date	20-6-17		Lab No.	131217ED-NL-008	Page No. 2/2
S.No.	Test Parameter	Units	Results	Standards (MAX)	Test Method		
14	0.5 m surface acoustic enclosure when door is close	dB(A)	71	-	IS:7194(1994)RA:2005		
15	Insertion Loss	dB(A)	26	Min. 25.0	IS:7194(1994)RA:2005		

End of Report

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TEST REPORT

Ref. No. IL/D-8564	Date 20.12.17	Lab No. 131217ED-NL-009	Page No. 1/2
Customer	City Emporium Pvt. Ltd. Plot No. 143 A, Industrial Area, Phase -1 Chandigarh Chandigarh		
Type of Sample	Stack Emissions & Noise Level (DG Set)		
Customer's Description of Sample	Stack Emissions & Noise Level (DG Set)		
Quantity	1 No		
Packing, Markings	Thimble Packed in Polythene Pouch		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.	E MAIL		
Date of Receipt of Sample	13/12/2017	Dated	29/11/2017
Period of Analysis	13/12/2017 To 18/12/2017		
Sampling Team Idma	Mr. Bhagwan Je & Team		
Sampling Location	DG Set Cummins (1010KVA) S. No. 25335480	Client	Mr. Sachin Arya
Visual Observation	N/A		
Date of Sampling	12/12/2017		
Date of Reporting	18/12/2017		
Sampling Protocol	IS: 11255		
Testing Protocol	IS: 11255 & IS: 9989		

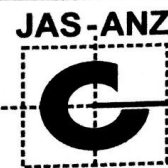
RESULTS

S.No.	Test Parameter	Units	Results	Standards (MAX)	Test Method
1	Stack Height	meter	30	-	-
2	Stack Dia	meter	0.304	-	-
3	Sampling Flow Rate	LPM	13.9	-	IS 11255 (P-3) 2003
4	Period of Sampling	Minutes	50	-	IS 11255 (P-3) 2003
5	Ambient Temperature	° C	15	-	IS 11255 (P-3) 2003
6	Temperature of Stack Gases	° C	128	-	IS 11255 (P-3) 2003
7	Velocity of Stack Gases	m/sec	10.2	-	IS 11255 (P-3) 2003
8	Volumetric Flow rate of stack gases	Nm ³ /hr	1921	-	IS 11255 (P-3) 2003
9	Particulate Matter (PM)	(at 15% O ₂), mg/Nm ³	60	75	IS 11255 (P-1) 1985
10	Sulphur Dioxide (SO ₂)	g/Kw-hr	34	-	IS 11255 (P-2) 2003
11	Nitrogen Dioxide (NO ₂)	(as NO ₂) (AT 15% O ₂), dry basis, in ppmv	121	710	IS 11255 (P-7) 2005
12	Noise Level				
13	0.5 m surface acoustic enclosure when door is open	dB(A)	97.8	-	IS:7194(1994)RA:2005

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

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TEST REPORT

Ref. No. IL/D- <u>8564</u>		Date <u>20.12.17</u>	Lab No. 131217ED-NL-009		Page No. 2/2
S.No.	Test Parameter	Units	Results	Standards (MAX)	Test Method
14	0.5 m surface acoustic enclosure when door is close	dB(A)	72.3	-	IS:7194(1994)RA:2005
15	Insertion Loss	dB(A)	25.5	Min. 25.0	IS:7194(1994)RA:2005

****End of Report****

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TEST REPORT

Ref. No. IL/D-8565	Date 20.12.17	Lab No.	131217ED-NL-010	Page No. 1/1
Customer	City Emporium Pvt. Ltd. Plot No. 143 A, Industrial Area, Phase -1 Chandigarh Chandigarh			
Type of Sample	Stack Emissions & Noise Level (DG Set)			
Customer's Description of Sample	Stack Emissions & Noise Level (DG Set)			
Quantity	1 No			
Packing, Markings	Thimble Packed in Polythene Pouch			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.	E MAIL		Dated	29/11/2017
Date of Receipt of Sample	13/12/2017			
Period of Analysis	13/12/2017 To 18/12/2017			
Sampling Team Idma	Mr. Bhagwan Je & Team		Client	Mr. Sachin Arya
Sampling Location	DG Set Cummins (500KVA) S. No. 25332045			
Visual Observation	N/A			
Date of Sampling	12/12/2017			
Date of Reporting	18/12/2017			
Sampling Protocol	IS: 11255			
Testing Protocol	IS: 11255 & IS: 9989			

RESULTS

S.No.	Test Parameter	Units	Results	Standards (MAX)	Test Method
1	Stack Height	meter	30	-	-
2	Stack Dia	meter	0.304	-	-
3	Sampling Flow Rate	LPM	14.0	-	IS 11255 (P-3) 2003
4	Period of Sampling	Minutes	50	-	IS 11255 (P-3) 2003
5	Ambient Temperature	° C	15	-	IS 11255 (P-3) 2003
6	Temperature of Stack Gases	° C	109	-	IS 11255 (P-3) 2003
7	Velocity of Stack Gases	m/sec	9.8	-	IS 11255 (P-3) 2003
8	Volumetric Flow rate of stack gases	Nm³/hr	1937.58	-	IS 11255 (P-3) 2003
9	Particulate Matter (PM)	g/Kw-hr	0.08	0.2	IS 11255 (P-1) 1985
10	Sulphur Dioxide (SO2)	g/Kw-hr	1.9	-	IS 11255 (P-2) 2003
11	Nitrogen Dioxide (NO2)	g/Kw-hr	2.1	4.0	IS 11255 (P-7) 2005
12	Noise Level				
13	1.0 m from the enclosure surface	dB(A)	71	Max. 75.0	IS:7194(1994)RA:2005

End of Report

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TEST REPORT

Ref. No. IL/D-8566	Date 20.12.17	Lab No. 131217ED-NL-011	Page No. 1/1
Customer	City Emporium Pvt. Ltd. Plot No. 143 A, Industrial Area, Phase -1 Chandigarh Chandigarh		
Type of Sample	WASTE WATER		
Customer's Description of Sample	WASTE WATER (STP OUTLET)		
Quantity	5 Ltr		
Packing, Markings	Plastic Can		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.	E MAIL	Dated	29/11/2017
Date of Receipt of Sample	13/12/2017		
Period of Analysis	13/12/2017 To 18/12/2017		
Sampling Team Idma	Mr. Bhagwan Je & Team	Client	Mr. Sachin Arya
Sampling Location	Basement-2 (STP Room)		
Visual Observation	N/A		
Date of Sampling	12/12/2017		
Date of Reporting	18/12/2017		
Sampling Protocol	IS: 3025-1987		
Testing Protocol	IS 3025 & APHA		

RESULTS

S.No.	Test Parameter	Units	Results	Requirement	Test Method
1	Total Suspended Solids	mg/l	43	100	IS:3025(P-17)
2	pH	-	8.0	6.0-9.0	IS:3025(P-11)
3	Total Dissolved Solids	mg/l	580	2100	IS:3025(P-16)
4	Oil & Grease	mg/l	3.0	10	IS:3025(P-39)
5	BOD, 3 days @ 27°C	mg/l	29	100	IS:3025(P-44)
	COD	mg/l	119	250	IS:3025(P-58)

End of Report

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TEST REPORT

Ref. No. IL/D-8567	Date 20.12.17	Lab No. 131217ED-NL-012	Page No. 1/1
Customer	City Emporium Pvt. Ltd. Plot No. 143 A, Industrial Area, Phase -1 Chandigarh Chandigarh		
Type of Sample	WASTE WATER		
Customer's Description of Sample	WASTE WATER (STP INLET)		
Quantity	5 Ltr		
Packing, Markings, Seal & Quantity	Plastic Can		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.	E MAIL	Dated	29/11/2017
Date of Receipt of Sample	13/12/2017		
Period of Analysis	13/12/2017 To 18/12/2017		
Sampling Team Idma	Mr. Bhagwan Je & Team	Client	Mr. Sachin Arya
Sampling Location	Basement-1 (STP Room)		
Visual Observation	N/A		
Date of Sampling	12/12/2017		
Date of Reporting	18/12/2017		
Sampling Protocol	IS: 3025-1987		
Testing Protocol	IS 3025 & APHA		

RESULTS

S.No.	Test Parameter	Units	Results	Test Method
1	Total Suspended Solids	mg/l	206	IS:3025(P-17)
2	pH	-	8.2	IS:3025(P-11)
3	Total Dissolved Solids	mg/l	1056	IS:3025(P-16)
4	Oil & Grease	mg/l	6.0	IS:3025(P-39)
5	BOD, 3 days @ 27°C	mg/l	150	IS:3025(P-44)
6	COD	mg/l	426	IS:3025(P-58)

Opinion :

End of Report

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