



Idma Laboratories Limited

(A Government Approved Test House)

MoEF & CC/BIS/FSSAI/State Pollution Control Boards/Drugs & Cosmetic Act/ISO 9001; 14001; 18001 Certified

TEST REPORT

Ref. No. IL/D- 21659	Date 02.02.22	Lab No. 260122N-E-001	Page No. 1/1
Customer	Meters and Instruments 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 Nos.		
Packing, Markings	Filter Paper Packed in Polythene Pouch.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.	E-MAIL	Dated	20/01/2022
Date of Receipt of Sample	26/01/2022		
Period of Analysis	26/01/2022 To 01/02/2022		
Sampling Team Idma	Idma Representative Team	Client	Ms. Sachine Arya
Sampling Location	Near Main Gate		
Visual Observation	N/A		
Date of Sampling	25/01/2022		
Date of Reporting	01/02/2022		
Sampling Protocol	IS: 5182		
Testing Protocol	NAAQS		

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Ambient air)	-	-	-	-
1	PM10	µg/m³	84.5	Max. 100	NAAQMS/36/2012-13(Gravimetric method)
2	SO2	µg/m³	20.6	Max. 80	NAAQMS/36/2012-13(Improved West & Gaeke method)
3	NO2	µg/m³	29.2	Max. 80	NAAQMS/36/2012-13(Modified Jacob & Hochheiser method)
4	PM2.5	µg/m³	40.9	Max. 60	NAAQMS/36/2012-13(Gravimetric method)

End of Report

Ry 1/2/22

Analyst

(Renu Sharma)

For Idma Laboratories Limited

Authorized Signatory



Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula-134113, Haryana

Tel. No. : 0172-5064827, 5064830

E-mail : testing@idmagroup.co.in

Website : www.idmagroup.co.in

E-mail : support@idmagroup.co.in

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TEST REPORT

TEST REPORT

Ref. No. IL/D-	21660	Date	02.02.22	Lab No.	260122N-E-002	Page No. 1/1	
Customer	Meters and Instruments 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 Nos.						
Packing, Markings	Filter Paper Packed in Polythene Pouch.						
Mode of Collection of Sample	Sampling by Laboratories						
Work Order No.	E-MAIL				Dated	20/01/2022	
Date of Receipt of Sample	26/01/2022						
Period of Analysis	26/01/2022 To 01/02/2022						
Sampling Team Idma	Idma Representative Team				Client	Ms. Sachine Arya	
Sampling Location	Ground Area (Hollarea)						
Visual Observation	N/A						
Date of Sampling	25/01/2022						
Date of Reporting	01/02/2022						
Sampling Protocol	IS: 5182						
Testing Protocol	NAAQS						

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Ambient air)	-	-	-	-
1	PM10	µg/m³	81.8	Max. 100	NAAQMS/36/2012-13(Gravimetric method)
2	SO2	µg/m³	19.5	Max. 80	NAAQMS/36/2012-13(Improved West & Gaeke method)
3	NO2	µg/m³	24.1	Max. 80	NAAQMS/36/2012-13(Modified Jacob & Hochheiser method)
4	PM2.5	µg/m³	39.3	Max. 60	NAAQMS/36/2012-13(Gravimetric method)

End of Report

by
1/2/22
Analyst
(Renu Sharma)

For Idma Laboratories Limited

Authorized Signatory



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Tel. No. : 0172-5064827, 5064830

E-mail : testing@idmagroup.co.in

Website : www.idmagroup.co.in

E-mail : support@idmagroup.co.in

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Ref. No. IL/D- 21661		Date 02.02.22	Lab No. 200122N-E-003	Page No. 1/1
Customer	Meters and Instruments Pvt. Ltd. Plot No. 143-A Industrial Area, Phase -1 Chandigarh Chandigarh			
Type of Sample	Stack Emission (DG)			
Customer's Description of Sample	Stack Emission (DG)			
Quantity	1 Nos.			
Packing, Markings	Thimble Packed in Polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.	E-MAIL		Dated	20/01/2022
Date of Receipt of Sample	26/01/2022			
Period of Analysis	26/01/2022 To 01/02/2022			
Sampling Team Idma	Idma Representative Team		Client	Ms. Sachine Arya
Sampling Location	Stack Attach DG Set 1, Sudhir 1339, 500KVA			
Visual Observation	N/A			
Date of Sampling	25/01/2022			
Date of Reporting	01/02/2022			
Sampling Protocol	CPCB			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Stack emission)	-	-	-	-
	GENERAL INFORMATIONS:	-	-	-	-
1	Stack Height	Meters	30	-	-
2	Stack dia	Meters	0.305	-	-
3	Ambient Temperature	°C	18	-	-
4	Stack Temperature	°C	96	-	-
5	Velocity	m/s	8.9	-	-
6	Type of Fuel	-	HSD	-	-
7	Sampling Flow rate	LPM	29	-	-
8	Sampling Time	Minutes	34	-	-
9	Volumetric Flow rate	Nm³/hr	1845	-	-
	PARAMETERS:	-	-	-	-
10	PM	g/kW-hr	0.11	Max. 0.2	USEPA Method 5
11	CO	g/kW-hr	1.8	Max. 3.5	USEPA Method 10,10A
12	NOx + HC	g/kW-hr	2.5	Max. 4.0	USEPA Method 7E
13	SO2	g/kW-hr	1.2	-	USEPA Method 6C

End of Report

Analyst
(Renu Sharma)


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TEST REPORT

Ref. No. IL/D- 21662	Date 02.02.22	Lab No. 260122N-E-004	Page No. 1/1
Customer	Meters and Instruments Pvt. Ltd. Plot No. 143-A Industrial Area, Phase -1 Chandigarh Chandigarh		
Type of Sample	Stack Emission (DG)		
Customer's Description of Sample	Stack Emission (DG)		
Quantity	1 Nos.		
Packing, Markings	Thimble Packed in Polythene Pouch.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.	E-MAIL	Dated	20/01/2022
Date of Receipt of Sample	26/01/2022		
Period of Analysis	26/01/2022 To 01/02/2022		
Sampling Team Idma	Idma Representative Team	Client	Ms. Sachine Arya
Sampling Location	Stack Attach DG Set 2, Sudhir 0801/03/92.88/1010KVA		
Visual Observation	N/A		
Date of Sampling	25/01/2022		
Date of Reporting	01/02/2022		
Sampling Protocol	CPCB		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Stack emission)	-	-	-	-
	GENERAL INFORMATION:	-	-	-	-
1	Stack Height	Meters	30	-	-
2	Stack dia	Meters	0.305	-	-
3	Ambient Temperature	°C	18	-	-
4	Stack Temperature	°C	110	-	-
5	Velocity	m/s	9.6	-	-
6	Type of Fuel	-	HSD	-	-
7	Sampling Flow rate	LPM	30	-	-
8	Sampling Time	Minutes	33	-	-
9	Volumetric Flow rate	Nm³/hr	2023	-	-
	PARAMETERS:	-	-	-	-
10	PM	mg /Nm³	62.8	Max. 75	USEPA Method 5
11	CO	mg /Nm³	57.2	Max. 150	USEPA Method 10,10A
12	NOx	ppmv	131.7	Max. 710	USEPA Method 7E
13	SO2	mg /Nm³	30.5	-	USEPA Method 6C

End of Report

Analyst
Renu Sharma



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TEST REPORT

Ref. No. IL/D-	21663	Date	02.02.22	Lab No.	260122N-E-005	Page No.	1/1
Customer	Meters and Instruments Pvt. Ltd. Plot No. 143-A Industrial Area, Phase -1 Chandigarh Chandigarh						
Type of Sample	Stack Emission (DG)						
Customer's Description of Sample	Stack Emission (DG)						
Quantity	1 Nos.						
Packing, Markings	Thimble Packed in Polythene Pouch.						
Mode of Collection of Sample	Sampling by Laboratories						
Work Order No.	E-MAIL					Dated	20/01/2022
Date of Receipt of Sample	26/01/2022						
Period of Analysis	26/01/2022 To 01/02/2022						
Sampling Team Idma	Idma Representative Team					Client	Ms. Sachine Arya
Sampling Location	Stack Attach DG Set 3, Sudhir 0801/03/92.88/606, 1010KVA						
Visual Observation	N/A						
Date of Sampling	25/01/2022						
Date of Reporting	01/02/2022						
Sampling Protocol	CPCB						
Testing Protocol	CPCB						

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Stack emission)	-	-	-	-
	GENERAL INFORMATION:	-	-	-	-
1	Stack Height	Meters	30	-	-
2	Stack dia	Meters	0.305	-	-
3	Ambient Temperature	°C	18	-	-
4	Stack Temperature	°C	113	-	-
5	Velocity	m/s	9.4	-	-
6	Type of Fuel	-	HSD	-	-
7	Sampling Flow rate	LPM	30	-	-
8	Sampling Time	Minutes	33	-	-
9	Volumetric Flow rate	Nm ³ /hr	1863	-	-
	PARAMETERS:	-	-	-	-
10	PM	mg /Nm ³	65.2	Max. 75	USEPA Method 5
11	CO	mg /Nm ³	58.5	Max. 150	USEPA Method 10,10A
12	NOx	ppmv	129.7	Max. 710	USEPA Method 7E
13	SO2	mg /Nm ³	34.4	-	USEPA Method 6C

End of Report

Analyst



For Idma Laboratories Limited

Authorized Signatory



Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula-134113, Haryana

Tel. No. : 0172-5064827, 5064830

Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in

E-mail : support@idmagroup.co.in

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TEST REPORT

Ref. No. IL/D- 21664	Date 02.02.22	Lab No. 260122N-E-006	Page No. 1/1
Customer	Meters and Instruments Pvt. Ltd. Plot No. 143-A Industrial Area, Phase -1 Chandigarh Chandigarh		
Type of Sample	Noise Level D.G.		
Customer's Description of Sample	Noise Level D.G.		
Quantity	1 Nos.		
Packing, Markings	Instrument at Site		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.	E-MAIL	Dated	20/01/2022
Date of Receipt of Sample	26/01/2022		
Period of Analysis	26/01/2022 To 01/02/2022		
Sampling Team Idma	Idma Representative Team	Client	Ms. Sachine Arya
Sampling Location	DG Noise 500 KVA		
Visual Observation	N/A		
Date of Sampling	25/01/2022		
Date of Reporting	01/02/2022		
Sampling Protocol	CPCB		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Result	Specifications	Test Method
	CHEMICAL DISCIPLINE (Source Noise Level)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	72.6	Max. 75.0	EPA Guidline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	101.5	--	EPA Guidline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	75.9	--	EPA Guidline Manual July 2008
4	Insertion Loss	dB (A)	25.6	Min. 25	EPA Guidline Manual July 2008

End of Report

1/2/22

Analyst

Chenu Sharma

For Idma Laboratories Limited

Authorized Signatory



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E-mail : testing@idmagroup.co.in

E-mail : support@idmagroup.co.in

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TEST REPORT

Ref. No. IL/D- 21665	Date 02.02.22	Lab No. 260122N-E-007	Page No. 1/1
Customer	Meters and Instruments Pvt. Ltd. Plot No. 143-A Industrial Area, Phase -1 Chandigarh Chandigarh		
Type of Sample	Noise Level D.G.		
Customer's Description of Sample	Noise Level D.G.		
Quantity	1 Nos.		
Packing, Markings	Instrument at Site		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.	E-MAIL	Dated	20/01/2022
Date of Receipt of Sample	26/01/2022		
Period of Analysis	26/01/2022 To 01/02/2022		
Sampling Team Idma	Idma Representative Team	Client	Ms. Sachine Arya
Sampling Location	DG Noise 1010 KVA		
Visual Observation	N/A		
Date of Sampling	25/01/2022		
Date of Reporting	01/02/2022		
Sampling Protocol	CPCB		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Result	Specifications	Test Method
	CHEMICAL DISCIPLINE (Source Noise Level)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	73.1	Max. 75.0	EPA Guidline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	102.2	--	EPA Guidline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	76.5	--	EPA Guidline Manual July 2008
4	Insertion Loss	dB (A)	25.7	Min. 25	EPA Guidline Manual July 2008

End of Report

By
7/2/22

Analyst

(Renu Sharma)

For Idma Laboratories Limited

Authorized Signatory



Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula-134113, Haryana

Tel. No. : 0172- 5064827, 5064830

Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in

E-mail : support@idmagroup.co.in

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TEST REPORT

Ref. No. IL/D- 21666	Date 02.02.22	Lab No. 260122N-E-008	Page No. 1/1
Customer	Meters and Instruments Pvt. Ltd. Plot No. 143-A Industrial Area, Phase -1 Chandigarh Chandigarh		
Type of Sample	Noise Level D.G.		
Customer's Description of Sample	Noise Level D.G.		
Quantity	1 Nos.		
Packing, Markings	Instrument at Site		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.	E-MAIL	Dated	20/01/2022
Date of Receipt of Sample	26/01/2022		
Period of Analysis	26/01/2022 To 01/02/2022		
Sampling Team Idma	Idma Representative Team	Client	Ms. Sachine Arya
Sampling Location	DG Noise 1010 KVA		
Visual Observation	N/A		
Date of Sampling	25/01/2022		
Date of Reporting	01/02/2022		
Sampling Protocol	CPCB		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Result	Specifications	Test Method
	CHEMICAL DISCIPLINE (Source Noise Level)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	72.3	Max. 75.0	EPA Guidline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	101.9	--	EPA Guidline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	76.1	--	EPA Guidline Manual July 2008
4	Insertion Loss	dB (A)	25.8	Min. 25	EPA Guidline Manual July 2008

End of Report

Ry
1/2/22

Analyst

(Renu Sharma)

For Idma Laboratories Limited

Authorized Signatory



Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula-134113, Haryana

Tel. No. : 0172- 5064827, 5064830

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TEST REPORT

Ref. No. IL/D- 21667	Date 02.02.22	Lab No. 260122N-E-009	Page No. 1/2
Customer	Meters and Instruments Pvt. Ltd. Plot No. 143-A Industrial Area, Phase -1 Chandigarh Chandigarh		
Type of Sample	Drinking Water		
Customer's Description of Sample	Drinking Water		
Quantity	5 Ltr.+250 ml		
Packing, Markings, Seal & Quantity	Plastic Can+Glass Bottle		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.	E-MAIL	Dated	20/01/2022
Date of Receipt of Sample	26/01/2022		
Period of Analysis	26/01/2022 To 01/02/2022		
Sampling Team Idma	Idma Representative Team	Client	Ms. Sachine Arya
Sampling Location	Ground Floor RO		
Visual Observation	N/A		
Date of Sampling	25/01/2022		
Date of Reporting	01/02/2022		
Sampling Protocol	IS: 3025 (P-1) 1987		
Testing Protocol	IS: 10500:2012 Amdt 1 & 2		

RESULTS

S.No.	Test Parameter	Units	Results	Limit of IS: 10500-2012		Test Method
				Requirement (Acceptable Limit)	Permissible Limit in absence of alternate Source	
	Chemical Testing (Water)	-	-	-	-	-
1	Color	Hazen	1	Max. 5	Max. 15	APHA 2120 B&C 23rd Edition, 2017
2	pH	-	7.07	6.5-8.5	No Relaxation	APHA 4500H+B 23rd Edition, 2017
3	Alkalinity as CaCO ₃	mg/L	182	Max. 200	Max. 600	APHA 2320 B 23rd Edition, 2017
4	Calcium as Ca	mg/L	33.2	Max. 75	Max. 200	APHA 3500-Ca B 23rd Edition, 2017
5	Chloride as Cl	mg/L	34.7	Max. 250	Max. 1000	APHA 4500Cl- B 23rd Edition, 2017
6	Fluoride as F	mg/L	0.8	Max. 1	Max. 1.5	CPCB Guide Manual:Water & waste water Analysis
7	Hardness Total (as CaCO ₃)	mg/L	159	Max. 200	Max. 600	APHA 2340C 23rd Edition, 2017
8	Nitrogen (Nitrate) NO ₃	mg/L	2.6	Max. 45	No Relaxation	APHA 4500NO-3 B 23rd Edition, 2017
9	Total Dissolved Solids	mg/L	308	Max. 500	Max. 2000	APHA 2540 C 23rd Edition, 2017
10	Sulphate as SO ₄	mg/L	23.9	Max. 200	Max. 400	APHA 4500-SO ₄ -4 E 23rd Edition, 2017
11	Turbidity	NTU	<1	Max. 1	Max. 5	APHA 3130 B 23rd Edition, 2017
12	Taste	Qualitative	Agreeable	Agreeable	Agreeable	APHA 2160 B 23rd Edition, 2017
	Biological Testing	-	-	-	-	-

For
Tpp2
(Chemist)



Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula-134113, Haryana



Tel. No. : 0172-5064827, 5064830

Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in

E-mail : support@idmagroup.co.in

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TEST REPORT

Ref. No. IL/D- 21667		Date 02.02.22	Lab No. 260122N-E-009		Page No. 2/2	
S.No.	Test Parameter	Units	Results	Limit of IS: 10500-2012		Test Method
				Requirement (Acceptable Limit)	Permissible Limit in absence of alternate Source	
	(Water)					
13	E. Coli	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185:2016
14	Total Coliform Bacteria	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185:2016

End of Report

For Idma Laboratories Limited
Authorized Signatory



By 12/22
Analyst
(Renu Sharma)





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TEST REPORT

Ref. No. IL/D-	21668	Date	02.02.22	Lab No.	260122N-E-010	Page No. 1/1	
Customer	Meters and Instruments Pvt. Ltd. Plot No. 143-A Industrial Area, Phase -1 Chandigarh Chandigarh						
Type of Sample	Waste Water (STP Inlet)						
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	20/01/2022	
Date of Receipt of Sample	26/01/2022						
Period of Analysis	26/01/2022 To 01/02/2022						
Sampling Team Idma	Idma Representative Team				Client	Ms. Sachine Arya	
Sampling Location	STP Plant						
Visual Observation	N/A						
Date of Sampling	25/01/2022						
Date of Reporting	01/02/2022						
Sampling Protocol	IS: 3025 (P-1) 1987						
Testing Protocol	CPCB						

RESULTS

S.No.	Test Parameter	Units	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-
1	pH	-	6.69	APHA4500-H+ B23rd Edition 2017
2	Chemical Oxygen Demand (COD)	mg/L	413.6	CPCB Guide Manual:Water & waste water Analysis
3	Biochemical Oxygen Demand	mg/L	95	CPCB Guide Manual:Water & waste water Analysis
4	Oil & Grease	mg/L	6.7	EPA Method 1664
5	Total Dissolved Solids (TDS)	mg/L	1758	APHA2540 C23rd Edition 2017
6	Total Suspended Solids (TSS)	mg/L	235	APHA2540 D23rd Edition 2017

End of Report

For Idma Laboratories Limited

Authorized Signatory

Analyst

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TEST REPORT

TEST REPORT

Ref. No. IL/D-	21669	Date	02.02.22	Lab No.	260122N-E-011	Page No. 1/1	
Customer	Meters and Instruments Pvt. Ltd. Plot No. 143-A Industrial Area, Phase -1 Chandigarh Chandigarh						
Type of Sample	Waste Water (STP Outlet)						
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	20/01/2022	
Date of Receipt of Sample	26/01/2022						
Period of Analysis	26/01/2022 To 01/02/2022						
Sampling Team Idma	Idma Representative Team				Client	Ms. Sachine Arya	
Sampling Location	STP Plant						
Visual Observation	N/A						
Date of Sampling	25/01/2022						
Date of Reporting	01/02/2022						
Sampling Protocol	IS: 3025 (P-1) 1987						
Testing Protocol	CPCB						

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	7.67	6.5-9.0	APHA4500-H+ B23rd Edition 2017
2	Chemical Oxygen Demand (COD)	mg/L	45.2	-	CPCB Guide Manual:Water & waste water Analysis
3	Biochemical Oxygen Demand	mg/L	18	Max.20	CPCB Guide Manual:Water & waste water Analysis
4	Oil & Grease	mg/L	2.5	-	EPA Method 1664
5	Total Dissolved Solids (TDS)	mg/L	302	-	APHA2540 C23rd Edition 2017
6	Total Suspended Solids (TSS)	mg/L	23	Max. 50	APHA2540 D23rd Edition 2017

End of Report

For Idma Laboratories Limited

Authorized Signatory

Analyst

Chenu Sharma



Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula-134113, Haryana

Tel. No. : 0172- 5064827, 5064830

Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in

E-mail : support@idmagroup.co.in

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