

TEST REPORT

ab No.	200722N-E-	003		D N- 4
ustomer		Meters & Instruments Pvt. Limited Plot No. 143-A Industrial Area Phase- 1, C	Chandigarh Candigarh	Page No. 1
ype of Sample		Ambient Air		
Customer's Description	n of Sample	Ambient Air		
Quantity	1 No.			
Packing, Markings		Filter Paper Packed in Polythene Pouch.	N/A	
Mode of Collection of	Sample	Sampling by Laboratories	N/A	
Work Order No.		NIL	l Data d	140/07/0000
Date of Receipt of Sa	mple	20/07/2022	Dated	18/07/2022
Period of Analysis		20/07/2022 To 27/07/2022		
Sampling Team Idma	1	Idma Representative Team	Client	Ma Davisa das Ola de
Sampling Location		Ground Floor Near Main Gate	Client	Mr.Devendra Singh
Visual Observation		N/A		
Date of Sampling		18/07/2022		
Date of Reporting		27/07/2022		
Sampling Protocol		IS: 5182		
Testing Protocol		NAAQS		

DECLII TO

_			NE.	SULIS	
S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Ambient air)	•	•	-	
1	PM10	μg/m³	82.3	Max. 100	NAAQMS/36/2012-13(Gravimetric method)
2	SO2	hg/m³	19.6	Max. 80	NAAQMS/36/2012-13(Improved West & Gaeke method)
3	NO2	µg/m³	26.5	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)

Authorised signator Suman Sharmantato

Technical Manager

Idma Laboratories Limited

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

Tel No. 0172-5064827, 5064830

Website: www.idmagroup.co.in Email: commercial@idmalab.co.in

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Lab No.	200722N-E	004		Page No. 1
Customer		Meters & Instruments Pvt. Limited Plot No. 143-A Industrial Area Phase- 1, C	handigarh Candigarh	
Type of Sample		Ambient Air		
Customer's Desc	stomer's Description of Sample			
Quantity	antity 1 No.			
Packing, Marking	gs	-Filter Paper Packed in Polythene Pouch. N	N/A	
Mode of Collection	on of Sample	Sampling by Laboratories		
Work Order No.		NIL	Dated	18/07/2022
Date of Receipt	of Sample	20/07/2022		
Period of Analys	is	20/07/2022 To 27/07/2022		
Sampling Team	Idma	Idma Representative Team	Client	Mr.Devendra Singh
Sampling Location	on	Ground Area (Hall Area)		
Visual Observati	ion	N/A		
Date of Samplin	g	18/07/2022		
Date of Reportin	ng	27/07/2022		
Sampling Protoc	col	IS: 5182		
Testing Protocol	l	NAAQS		

RESULTS

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S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Ambient air)	-	-		-
1	PM10	µg/m³	81.5	Max. 100	NAAQMS/36/2012-13(Gravimetric method)
2	SO2	µg/m³	19.2	Max. 80	NAAQMS/36/2012-13(Improved West & Gaeke method)
3	NO2	µg/m³	25.9	Max. 80	NAAQMS/36/2012-13(Modified Jacob & Hochheiser method)
4	PM2.5	µg/m³	40.4	Max. 60	NAAQMS/36/2012-13(Gravimetric method)



Authoriee al gignate

Suman Sharma

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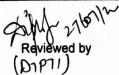


TEST REPORT

Lab No.	200722N-E-	005		Page No. 1/
Customer	and the second	Meters & Instruments Pvt. Limited	andicarb Condigorb	
		Plot No. 143-A Industrial Area Phase- 1, Ch	andigarn Candigarn	
Type of Sample		Stack Emission (DG)		
Customer's Desc	omer's Description of Sample Stack Emission (DG)			
Quantity	tity 1 No.			
Packing, Markin	gs	Thimble Packed in Polythene Pouch. N/A		
Mode of Collecti	ion of Sample	Sampling by Laboratories		
Work Order No.		NIL	Dated	18/07/2022
Date of Receipt	of Sample	20/07/2022		
Period of Analys	sis	20/07/2022 To 27/07/2022		
Sampling Team	Idma	Idma Representative Team	Client	Mr.Devendra Singh
Sampling Locat	ion	Stack Attach DG Set Sudhir 25332945, 500	KVA	
Visual Observa	tion	N/A		
Date of Samplin	ng	18/07/2022		
Date of Reporti	ng	27/07/2022		
Sampling Proto	ocol	СРСВ		
Testing Protoco	ol	СРСВ		

RESULTS

			1/2	.30L13	
S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Stack Emission)		-	·	•
	GENERAL INFORMATIONS:			-	-
1	Stack Height	Meters	30	-	-
2	Stack Diameter	Meters	0.305		-
3	Ambient Temperature	°C	30		-
4	Stack Temperature	°C	117		-
5	Velocity	m/s	8.9	-	-
6	Type of Fuel	-	HSD	•	•
7	Sampling Flow rate	LPM	29	•	





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TEST REPORT

Lab	No.	200722N-E-005			Pag	e No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method	
8	Sampling Time	Minute	es 34			
9	Volumetric Flow ra	te Nm³/h	r 1798.6	and the same same of		
	PARAMETERS:					
10	PM	g/kW-l	nr 0.10	Max. 0.2	USEPA Method 5	
11	СО	g/kW-h	nr 1.9	Max. 3.5	USEPA Method 10, 10 A	
12	NOx + HC	g/kW-h	nr 2.6	Max. 4.0	USEPA Method 7E	
13	SO2	g/kW-h	nr 1.1	-	USEPA Method 6C	

AMF, 27 107 1 m Reviewed by (P1P11)

End of Report

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TEST REPORT

Lab No.	200722N-E	006		Page No. 1
Customer		Meters & Instruments Pvt. Limited	One Mercust	
		Plot No. 143-A Industrial Area Phase- 1, Ch	andigarh Candigarh	
Type of Sample		Stack Emission (DG)		
Customer's Description of Sample Stack Emission (DG)				
Quantity	uantity 1 No.			
Packing, Marking	gs	Thimble Packed in Polythene Pouch. N/A		
Mode of Collecti	on of Sample	Sampling by Laboratories		
Work Order No.		NIL	Dated	18/07/2022
Date of Receipt	of Sample	20/07/2022		
Period of Analys	sis	20/07/2022 To 27/07/2022		
Sampling Team	Idma	Idma Representative Team	Client	Mr.Devendra Singh
Sampling Locati	on	Stack Attach DG Set Sudhir 25335480,1010	OKVA	
Visual Observat	ion	N/A		
Date of Samplin	ıg	18/07/2022		
Date of Reporting	ng	27/07/2022		
Sampling Protoc	col	СРСВ		
Testing Protoco	I	СРСВ		N. 9 A

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Stack Emission)		-	-	-
	GENERAL INFORMATIONS:				-
1	Stack Height	Meters	30		-
2	Stack Diameter	Meters	0.305	•	-
3	Ambient Temperature	•c	31	•	-
4	Stack Temperature	°C	136	•	-
5	Velocity	m/s	10.8	•	-
6	Type of Fuel		HSD	•	-
7	Sampling Flow rate	LPM	27	•	-

Reviewed by (D1P1)

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Lab I	No.	200722N-E-006			Page No.
S.No.	Test Parameter	Units	Results	Specifications	Test Method
8	Sampling Time	Minutes	31	•	
9	Volumetric Flow rate	e Nm³/hr	2088.1		-
4	PARAMETERS:				- 0000 40002000
10	PM	mg /Nm³	65.2	Max. 75	USEPA Method 5
11	со	mg /Nm³	58.0	Max. 150	USEPA Method 10, 10A
12	NOx	ppmv	137.5	Max. 710	USEPA Method 7E
13	SO2	mg /Nm³	32.8		USEPA Method 6C

Reviewed by

End of Report

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TEST REPORT

ab No.	200722N-E-	007		Page No. 1
ustomer	20072214-2-	Meters & Instruments Pvt. Limited		
		Plot No. 143-A Industrial Area Phase- 1, Chan-	digarh Candigarh	
ype of Sample		Noise Level D.G.		
customer's Description of Sample		Noise Level D.G.		
Quantity		1 No.		
Packing, Markin	igs	Instrument at Site. N/A		
Mode of Collect	ion of Sample	Sampling by Laboratories		T
Work Order No.		NIL	Dated	18/07/2022
Date of Receipt	t of Sample	20/07/2022		
Period of Analy	rsis	20/07/2022 To 27/07/2022		Las Davisados Singh
Sampling Tean	n Idma	Idma Representative Team	Client	Mr.Devendra Singh
Sampling Loca	tion	DG 500 KVA		
Visual Observa	ation	N/A		
Date of Sample	ing	18/07/2022		
Date of Report	ting	27/07/2022		
Sampling Prot	tocol	СРСВ		
Testing Protoc		СРСВ		

RESULTS

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S.No.	Test Parameter	Units	Result	Specifications	Test Method		
	CHEMICAL DISCIPLINE (Source Noise Level)		-	-	-		
	1.0 m from the enclosure surface	dB(A)	73.4	Max. 75.0	EPA Guideline Manual July 2008		
			101.3	_	EPA Guideline Manual July 2008		
	0.5 m surface acoustic enclosure when door are open	dB (A)	101.3				
	0.5 m surface acoustic enclosure	dB (A)	75.8	-	EPA Guideline Manual July 2008		
3	when door are Close						
		dD (A)	25.5	Min. 25	EPA Guideline Manual July 2008		
4	Insertion Loss	dB (A)	20.0				

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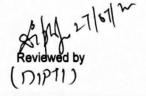


TEST REPORT

Lab No.	200722N-E-	008		Page No. 1			
Customer		Meters & Instruments Pvt. Limited Plot No. 143-A Industrial Area Phase- 1, Chandigarh Candigarh					
Type of Sample		Noise Level D.G.					
Customer's Desc	cription of Sample	Noise Level D.G.					
Quantity		1 No.					
Packing, Marking	gs	Instrument at Site, N/A					
Mode of Collection of Sample		Sampling by Laboratories					
Work Order No.		NIL	Dated	18/07/2022			
Date of Receipt	of Sample	20/07/2022					
Period of Analys	sis	20/07/2022 To 27/07/2022					
Sampling Team	Idma	Idma Representative Team	Mr.Devendra Singh				
Sampling Locati	ion	DG 1010 KVA					
Visual Observat	tion	N/A					
Date of Samplin	ng	18/07/2022					
Date of Reporti	ng	27/07/2022					
Sampling Proto	col	СРСВ					
Testing Protoco	ol	СРСВ					

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)	74.2	Max. 75.0	EPA Guidline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	102.3	-	EPA Guidline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	76.6	-	EPA Guidline Manual July 2008
4	Insertion Loss	dB (A)	25.7	Min. 25	EPA Guidline Manual July 2008



Authorises signatory
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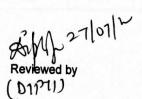


TEST REPORT

Lab No.	200722N-E-	-009		Page No. 1			
Customer		Meters & Instruments Pvt. Limited					
		Plot No. 143-A Industrial Area Phase- 1, Chandigarh Candigarh					
Type of Sample		Waste Water (STP Inlet)					
Customer's Desc	ription of Sample	Waste Water (STP Inlet)					
Quantity		5 Ltr.					
Packing, Marking	gs, Seal & Quantity	Plastic Can. N/A					
Mode of Collection	on of Sample	Sampling by Laboratories					
Work Order No.		NIL Date:		18/07/2022			
Date of Receipt	of Sample	20/07/2022					
Period of Analys	is	20/07/2022 To 27/07/2022					
Sampling Team	ldma	Idma Representative Team	Client	Mr.Devendra Singh			
Sampling Location	on	STP Plant (STP Inlet 120 KLD)					
Visual Observati	on	N/A					
Date of Sampling	g	18/07/2022					
Date of Reportin	g	27/07/2022					
Sampling Protoc	ol	IS: 3025 (P-1) 1987					
Testing Protocol		СРСВ					

RESIII TS

	KLSOLIS							
S.No.	Test Parameter	Units	Results	Test Method				
	CHEMICAL TESTING (Waste Water)	-	-	-				
1	pH	•	6.51	APHA4500-H+ B23rd Edition 2017				
2	Chemical Oxygen Demand (COD)	mg/L	517.4	CPCB Guide Manual:Water & waste water Analysis				
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	102	CPCB Guide Manual:Water & waste water Analysis				
4	Oil & Grease	mg/L	8.6	EPA Method 1664				
5	Total Dissolved Solids (TDS)	mg/L	1475	APHA2540 C23rd Edition 2017				
6	Total Suspended Solids (TSS)	mg/L	192	APHA2540 D23rd Edition 2017				



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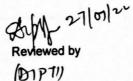


TEST REPORT

Lab No.	200722N-E-	010		Page No. 1			
Customer		Meters & Instruments Pvt. Limited					
		Plot No. 143-A Industrial Area Phase- 1, Chandigarh Candigarh					
Type of Sample	4	Waste Water (STP Outlet)					
Customer's Desc	cription of Sample	Waste Water (STP Outlet)					
Quantity		5 Ltr.					
Packing, Marking	gs	Plastic Can. N/A					
Mode of Collection	on of Sample	Sampling by Laboratories					
Work Order No.		NIL	18/07/2022				
Date of Receipt	of Sample	20/07/2022					
Period of Analys	sis	20/07/2022 To 27/07/2022					
Sampling Team	Idma	Idma Representative Team	Client	Mr.Devendra Singh			
Sampling Locati	ion	STP Plant (STP Outlet 120 KLD)					
Visual Observat	tion	N/A					
Date of Sampling		18/07/2022					
Date of Reporting		27/07/2022					
Sampling Proto	col	IS: 3025 (P-1) 1987					
Testing Protoco	ol	СРСВ					

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method	
	CHEMICAL TESTING (Waste Water)	- Continue	- 1			
1	pH	4-1	7.53	6.5-9.0	APHA4500-H+ B23rd Edition 2017	
2	Chemical Oxygen Demand (COD)	mg/L	50.9	Car P	CPCB Guide Manual:Water & waste water Analysis	
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	17	Max. 20	CPCB Guide Manual:Water & waste water Analysis	
4	Oil & Grease	mg/L	2.8	Constitution of the second	EPA Method 1664	
5	Total Dissolved Solids (TDS)	mg/L	554	•	APHA2540 C23rd Edition 2017	
6	Total Suspended Solids (TSS)	mg/L	31	Max. 50	APHA2540 D23rd Edition 2017	





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TEST REPORT

Lab No.	200722N-E-011			Page No. 1		
Customer		Meters & Instruments Pvt. Limited Plot No. 143-A Industrial Area Phase- 1, Chandigarh Candigarh				
Type of Sample	е	Borewell Water				
Customer's De	scription of Sample	Borewell Water				
Quantity		5 Ltr.				
Packing, Marki	ings, Seal & Quantity	Plastic Can. N/A				
Mode of Collec	ction of Sample	Sampling by Laboratories				
Work Order No).	NIL	18/07/2022			
Date of Receip	ot of Sample	20/07/2022				
Period of Anal	ysis	20/07/2022 To 27/07/2022				
Sampling Tear	m Idma	Idma Representative Team	Mr.Devendra Singh			
Sampling Loca	ation	Ground Floor				
Visual Observa	ation	N/A				
Date of Sampling		18/07/2022				
Date of Reporting		27/07/2022				
Sampling Prot	ocol	IS: 3025 (P-1) 1987				
Testing Protoc		IS: 10500:2012 Amdt 1 & 2				

RESULTS

S.No.	Test Parameter	Units	Results	Limit of IS	6: 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	pН		7.36	6.5-8.5	No Relaxation	APHA 4500H+B 23rd Edition, 2017
3	Alkalinity as CaCO3	mg/L	175	Max. 200	Max. 600	APHA 2320 B 23rd Edition, 2017
4	Calcium as Ca	mg/L	37.7	Max. 75	Max. 200	APHA 3500-Ca B 23rd Edition, 2017
5	Chloride as Cl	mg/L	28.3	Max. 250	Max. 1000	APHA 4500Cl- B 23rd Edition, 2017
6	Magnesium as Mg	mg/L	13.1	Max. 30	Max. 100	APHA 3500 Mg B 23rd Edition 2017
7	Fluoride as F	mg/L	0.49	Max. 1	Max. 1.5	CPCB Guide Manual:Water & waste water Analysis

Reviewed by
(D1 PT1)

Disclaimer:

The Test Report is only for the sample tested.

Samples not drawn by us unless otherwise stated.

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Authorised signatory

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In case of any feedback/complaint, please send email at testing@idmagroup.co.in or call at 0172-5064827/5064830

Idma Laboratories Limited

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

Tel No. 0172-5064827, 5064830 Website: www.idmagroup.co.in

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TEST REPORT

Lab I	No.	200722N	I-E-011				Page No. 2/2
S.No.	Test Paramet	ter	Units	Results	Limit of IS	: 10500-2012	Test Method
					Requirement (Acceptable Limit)	Permissible Limit in absence of alternate Source	
8	Hardness Total (as CaCO3)		mg/L	146	Max. 200	Max. 600	APHA 2340C 23rd Edition, 2017
9	Total Dissolved	Solids	mg/L	358	Max. 500	Max. 2000	APHA 2540 C 23rd Edition, 2017
10	Sulphate as SO4	1	mg/L	31.2	Max. 200	Max. 400	APHA 4500-SO ² -4 E 23rd Edition, 2017
11	Turbidity		NTU	<1	Max. 1	Max. 5	APHA 3130 B 23rd Edition, 2017
12	Taste	100	Qualitative	Agreeable	Agreeable	Agreeable	APHA 2160 B 23rd Edition, 2017
13	Residual Free ch	nlorine	mg/L	0.21	Min. 0.2	1	APHA 4500Cl B 23rd Edition, 2017
14	Sulphide		mg/L	<0.01	Max. 0.05	No Relaxation	APHA 4500S2- F 23rd Edition, 2017
15	Cadmium		mg/L	<0.0005	Max. 0.003	No Relaxation	APHA 3125 B 23rd Edition 2017
	Biological Testin (Water)	g	•	•	-	-	•
16	E. Coli		/100ml	Absent	Shall not be detectable in any 100ml	-	IS 15185:2016
		1111	100	San Carlo	sample	× lk	
17	Total Coliform B	acteria	/100ml	Absent	Shall not be detectable in any 100ml sample	* - 1.050 * 1.000 * 1.000	IS 15185:2016

End of Report

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